F.B. 815

380

FIELD

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees
	DEGREES		¾ DEGREE.		½ DEGREE.		¼ DEGREE.		

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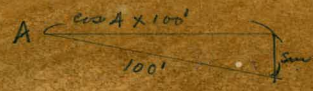


Return to City Engineers Office

RETURN TO CITY ENGINEER'S OFFICE
CITY HALL, SAN DIEGO, CAL.

Crocker Quality

FIELD BOOK

No._____

MANUFACTURED BY

H. S. CROCKER CO.

SAN FRANCISCO AND SACRAMENTO
CALIFORNIA

FROM
LORINGS BOOK STORE
San Diego, Cal.

57/15 Cloudy X Sec of Mississippi St (80)
Dunnar S & El Cajon to N S University
Zylstra

	9.10	331.24		322.14	Mon Texas
	2.88	331.52	2.60	328.64	
	6.58	325.92	1.18	319.34	Hub S & El Caj & Mississippi

S L of El Cajon St

W		6.6	319.3
bl		4.9	321.0
y		3.9	322.0
b		3.9	322.0
y		3.4	322.5
bl		2.4	323.5
E		1.8	324.1

25' S of El Cajon

E		2.5	323.4
bl		2.4	323.5
y		3.1	322.8
b		4.3	321.6
y		4.0	321.9
bl		4.7	321.2
W		6.5	319.4

50' S of El Cajon

W		5.0	320.9
bl		5.9	320.0
y		5.2	320.7
b		4.9	321.0
y		3.1	322.8
bl		2.5	323.4
E		2.4	323.5

75' S of El Cajon

E		2.7	323.2
bl		3.0	322.9
y		3.9	322.0
b		5.3	320.6
y		5.8	320.1
bl		6.7	319.2
W		6.5	319.4

100' S of El Cajon

W		6.9	319.0
bl		5.5	320.4
y		4.8	321.1
b		5.0	320.9
y		4.9	321.0
bl		3.0	322.0
E		2.7	323.2

125' S of El Cajon

E		2.3	323.6
bl		3.0	322.9
y		3.9	322.0
b		5.4	320.3
y		5.3	320.6
bl		5.6	320.3
W		7.0	318.9

32592

150	S of	El Bayou	
W		7.9	318.0
bl		7.4	318.5
y		6.1	319.8
b		5.2	320.7
y		3.8	322.1
bl		31	3228
E		2.4	323.6
175'	S of	El Bayou	
E		2.7	323.2
bl		3.8	322.1
y		4.6	321.3
b		5.6	320.9
y		6.2	319.7
bl		7.0	318.9
W		8.4	317.5
200'	S of	El Bayou	
W		8.0	317.9
bl		7.0	318.9
y		6.5	319.4
b		5.7	320.2
y		4.8	321.1
bl		4.3	321.6
E		3.3	322.9

225'	S of	El Bayou	
E		4.1	321.8
bl		4.9	321.0
y		5.6	320.3
b		6.2	319.7
y		7.0	318.9
bl		8.1	317.8
W		8.2	317.7
250'	S of	El Bayou	
W		8.5	317.4
bl		8.6	317.3
y		8.1	317.8
b		7.0	318.9
y		6.1	319.8
bl		5.5	320.4
E		4.7	321.2
275'	S of	El Bayou	
E		5.4	320.5
bl		5.5	320.4
y		6.8	319.1
b		8.1	317.8
y		7.6	318.3
bl		9.4	316.5
W		9.8	316.1
TP 447	320.97	9.42	316.50

	300	S of El Bayou	
W		5.0	316.0
bl		4.4	316.6
y		3.8	317.2
b		3.6	317.4
y		3.4	317.6
bl		3.0	318.0
E		2.4	318.6
	337.5	S of = N L of Howard St (Sa)	
E		0.5	320.5
bl		1.2	319.8
y		3.1	317.9
b		2.8	317.2
y		2.4	318.6
bl		4.8	316.2
W		5.3	315.7
	N bl of Howard		
W		3.9	315.1
bl		4.0	317.0
y		2.6	318.4
b		2.5	318.5
y		3.2	317.8
bl		2.2	318.8
E		1.5	319.5

	N 1/4 of Howard St	
E	2.3	318.7
bl	3.0	318.0
y	3.9	317.1
b	3.7	317.3
y	3.8	317.2
bl	4.5	316.5
W	5.7	315.3
	Center of Howard St	
W	5.3	315.7
bl	3.7	317.3
y	3.5	317.5
b	4.2	316.8
y	4.1	316.9
bl	2.9	318.1
E	2.1	318.9
	S 1/4 of Howard	
E	2.8	318.2
bl	3.3	317.7
y	4.2	316.8
b	3.7	316.3
y	3.3	317.7
bl	4.0	317.0
W	5.5	315.5

S bk of Howard

W	5.8	315.2
bb	4.0	317.0
y	3.3	317.7
b	3.7	317.3
y	4.3	316.7
bl	3.8	317.2
E	3.2	317.8

S line of Howard

E	3.3	317.7
bl	3.7	317.3
y	4.0	317.0
b	4.0	317.0
y	3.6	317.4
bl	3.9	317.1
W	3.4	315.6

25' S of Howard

W	7.3	313.7
bb	5.9	315.1
y	5.6	315.4
b	5.9	315.1
y	5.0	316.0
bl	4.9	316.1
E	4.2	316.8

50' S of Howard

E	4.1	316.9
bl	5.2	315.8
y	4.7	316.3
b	5.4	315.6
y	6.7	314.3
bl	6.3	314.7
W	7.9	313.1

75' S of Howard

W	7.5	313.5
bl	6.8	314.2
y	6.7	314.3
b	5.9	315.1
y	5.5	315.5
bl	5.7	315.3
E	4.3	316.7

100' S of Howard

E	4.7	316.3
bl	5.7	315.3
y	6.6	314.4
b	7.5	313.5
y	7.5	313.5
bl	7.0	314.0
W	7.3	313.7

320.97

	125'	S of	Howard	
W			9.4	311.6
bl			9.0	312.0
y			8.3	312.7
b			7.5	313.5
y			7.0	314.0
bl			5.8	315.2
E			4.6	316.4
	150'	S of	Howard	
E			4.9	316.1
bl			4.9	316.1
y			5.1	315.9
b			6.5	314.5
y			8.1	312.9
bl			7.8	313.2
W			7.3	313.7
	175'	S of	Howard	
W			8.9	312.1
bl			8.4	312.6
y			7.2	313.8
b			6.4	314.6
y			5.9	315.1
bl			6.2	314.8
E			6.8	314.2
TP	155	316.09	6.43	317.54

316.09 Mississippi

	200' S of	Howard	
E		2.0	314.1
bl		2.3	313.8
y		2.6	313.5
b		3.0	313.1
y		2.9	313.2
bl		3.4	312.5
W		4.0	312.1
	225' S of	Howard	
W		4.0	312.1
bl		3.7	312.4
y		3.8	312.3
b		3.7	312.4
y		2.0	314.1
bl		1.0	315.1
E		1.3	314.8
	250' S of	Howard	
E		2.0	314.1
bl		1.4	314.7
y		2.5	313.6
b		3.5	312.6
y		3.4	312.5
bl		4.4	311.7
W		4.4	311.7

31609

275' S of Howard		
W	4.7	311.4
bl	4.0	312.1
y	2.7	313.4
b.	2.5	313.6
y	2.7	313.4
bl	2.5	313.6
E	2.2	313.7
300' S of Howard		
E	2.0	314.1
bl	1.8	314.3
y	2.4	313.7
b	2.6	313.5
y	3.0	313.1
bl	4.9	311.2
W	5.7	310.4
325' S of Howard		
W	3.4	310.7
bl	4.8	311.3
y	4.2	311.9
b	4.3	311.8
y	3.3	312.8
bl	3.1	313.0
E	3.3	312.8

350' S of Howard		
E	1.9	314.2
bl	2.1	314.0
y	3.4	312.7
b	4.8	311.3
y	4.8	311.3
bl	4.7	311.4
W	6.1	310.0
375' S of Howard		
W	5.4	310.7
bl	5.9	310.2
y	4.5	311.6
b	4.6	311.5
y	4.3	311.8
bl	2.9	313.2
E	3.0	313.1
400' S of Howard		
E	3.0	313.1
bl	2.9	313.2
y	4.2	311.9
b	3.9	312.2
y	4.0	312.1
bl	5.8	310.3
W	5.6	310.5

316.09

	425'	S of	Howard	
W			6.5	309.6
bl			6.0	310.1
y			4.8	311.3
b			4.9	311.2
y			4.3	311.8
bl			3.7	312.4
E			3.7	312.4
	450'	S of	Howard	
E			2.6	313.5
bl			4.1	312.0
y			4.4	311.7
b			5.4	310.7
y			5.8	310.3
bl			6.0	310.1
W			6.5	309.6
TP	291	31487	4.13	318.96
	475'	S of	Howard	
W			5.2	309.7
+9'			4.5	310.4
bl			2.1	312.2
y			3.4	311.5
b			3.6	311.3
y			1.5	313.4
bl			1.9	313.0
E			2.7	312.2

31487

Mississippi

7

	500'	S of	Howard
E		1.4	313.5
bl		1.9	313.0
y		3.4	311.5
b		4.2	310.7
y		4.5	310.4
bl		4.5	310.4
W		5.0	309.9
	525	S of	Howard
W		3.8	311.1
bl		4.2	310.7
y		3.6	311.3
b		3.9	311.0
y		4.1	310.9
bl		3.4	311.5
E		3.0	311.9
	550'	S of	Howard
E		3.5	311.4
bl		3.6	311.3
y		3.7	311.2
b		4.2	310.7
y		5.0	309.9
bl		5.7	309.2
W		5.5	309.4

575' S of Howard

W	6.4	308.5
bl	5.7	309.2
y	5.1	309.8
b	3.2	311.7
y	3.3	311.6
bl	4.4	310.5
E	4.1	310.8

600' S = N line of Polk st (80)

E	3.3	311.6
bl	3.7	311.2
y	4.5	310.4
b	5.5	309.4
y	5.4	309.5
bl	5.3	309.6
W	6.1	308.8

N bl of Polk st

W	6.7	308.2
bl	5.7	309.2
y	5.4	309.5
b	5.4	309.6
y	3.7	311.2
bl	3.2	311.7
E	3.6	311.3

N ¼ of Polk st

E	4.3	314.6
bl	3.6	311.3
y	4.2	310.7
b	5.1	309.8
y	4.8	310.1
bl	5.9	309.0
W	6.8	308.1

Center of Polk st

W	6.9	308.0
bl	6.4	308.5
y	5.7	309.2
b	5.4	309.5
y	5.4	309.5
bl	4.8	310.1
E	4.1	310.8

S ¼ of Polk st

E	4.7	310.7
bl	5.2	309.7
y	5.6	309.3
b	5.8	309.1
y	6.2	308.7
bl	6.6	308.3
W	6.4	308.5

	S Cb of	Palk st	
W		6,7	308.2
bh		6,5	308.4
y		6,2	308.7
b		4,9	310.0
y		4,7	310.2
bh		5,3	309.6
E		4,7	310.2
	S Line of	Palk st	
E		4,2	310.7
bh		5,1	309.8
y		4,0	310.9
b		3,8	311.1
y		6,1	308.8
bh		6,6	308.3
W		7,1	307.8
	25' S of	Palk st	
W		6,8	308.1
bh		6,5	308.4
y		6,4	308.5
b		6,0	308.9
y		5,7	309.2
bh		5,3	309.6
E		5,2	309.7

	50' S of	Palk	
E		5,6	309.3
bh		6,0	308.9
y		5,8	309.1
b		6,0	308.9
y		6,5	308.4
bh		6,6	308.3
W		7,0	307.9
	75' S of	Palk	
W		7,2	307.7
bh		6,8	308.1
y		6,7	308.2
b		6,2	308.7
y		5,4	309.5
bh		6,0	308.9
E		6,0	308.9
	100' S of	Palk st	
E		6,2	308.6
bh		6,3	308.6
y		6,3	308.6
b		6,6	308.3
y		6,9	308.0
bh		7,2	307.7
W		7,3	307.6
TP 301	310,88	7,00	307.87

310.88

	125'	S of	Polk st	
w			3,9	307.0
bh			3,7	307.2
y			3,6	307.3
b			3,5	307.4
y			3,0	307.9
bh			3,0	307.9
E			2,9	308.0
	150'	S of	Polk st	
E			3,8	307.1
bh			3,5	307.4
y			4,0	306.9
b			4,3	306.6
y			4,4	306.5
bh			4,5	306.4
w			4,5	306.4
	175'	S of	Polk st	
w			5,0	305.9
bh			5,0	305.9
y			4,8	306.1
b			5,2	305.7
y			4,7	306.2
bh			4,6	306.3
E			4,6	306.3

310.88

Mississippi st

	200'	S of	Polk st	
E			5,0	305.9
bh			5,6	305.3
y			5,6	305.3
b			5,7	305.2
y			5,7	305.2
bh			5,5	305.4
w			5,8	305.1
TP	0,41	308.28		307.87 Rock
	250'	S of	Polk	
w			4,6	303.7
bh			4,7	303.6
y			4,8	303.5
b			4,6	303.7
y			4,8	303.5
bh			4,8	303.5
E			4,7	303.6
	275'	S of	Polk	
E			5,6	302.7
bh			5,4	302.9
y			5,7	302.6
b			5,6	302.7
y			5,7	302.6
bh			5,3	303.0
w			5,6	302.7

(225' Line was missed it is straight)

300 S of Polk

W	6.4	301.9
bl	6.7	301.6
y	6.7	301.6
b	7.0	301.3
y	7.0	301.3
bl	7.1	301.2
E	7.7	300.6

325 S of Polk

E	8.4	299.9
bl	9.0	299.3
y	8.6	299.7
b	8.3	300.0
y	8.1	300.2
bl	7.8	300.5
W	7.9	300.4

350 S of Polk

W	8.8	299.5
bl	9.4	298.9
y	9.5	298.8
b	10.0	298.3
y	10.2	298.1
bl	10.0	298.3
E	9.6	298.7

375 S of Polk St

E	10.0	298.3
bl	10.8	297.5
y	11.3	297.0
b	10.3	298.0
y	10.4	297.9
bl	10.5	297.8
W	9.9	298.4

400 S of Polk St

W	10.9	298.4
bl	11.6	296.7
y	12.2	296.1
b	11.7	297.6
y	12.5	296.0
bl	11.9	296.4
E	11.2	297.1
TP 087	297.43	11.72	285.6

425 S of Polk St

E	1.0	296.4
bl	2.0	295.4
y	2.3	295.1
b	1.8	296.6
y	2.2	296.2
bl	2.3	296.1
W	1.7	296.7

	450'	S of	Polk	
W			2,6	294.8
bh			3,3	294.1
y			3,0	294.4
b			3,3	294.1
y			3,2	294.2
bh			2,8	294.6
E			2,3	294.1
	475	S of	Polk	
E			2,8	294.6
bh			3.8	293.6
y			4,0	293.4
b			4.4	293.0
y			3.6	293.8
bh			4,0	293.4
W			4,0	293.4
	500	S of	Polk	
W			5,3	292.1
bh			4,6	292.8
y			4,6	292.8
b			5,4	292.0
y			4,8	292.6
bh			4,7	292.7
E			4,4	293.0

	525'	S of	Polk	
E			5,3	292.1
bh			5,7	291.7
y			5,8	291.6
b			6,3	291.1
y			6,1	291.3
bh			5,9	291.5
W			6,2	291.2
	550'	S of	Polk	
W			7,7	289.7
bh			7,6	289.8
y			7,4	290.0
b			7,3	290.1
y			7,0	290.4
bh			6,8	290.6
E			7,0	290.4
	575'	S of	Polk	
E			8,3	289.1
bh			8,4	289.0
y			8,5	288.9
b			8,8	288.6
y			9,0	288.4
bh			8,7	288.7
W			8,7	288.7

297.43

600' s of = N S of Lincoln (80)

w			10,2	287.2
bh			10,4	287.0
y			10,9	286.5
b			10,6	286.8
y			10,6	286.8
bh			10,3	287.1
E			10,2	287.2

N bb of Lincoln

E			11,6	285.8
bh			11,4	286.0
y			11,6	285.8
b			11,7	285.7
y			12,0	285.4
bh			11,7	285.7
w			11,7	285.7
TP	1,86	286.52	12,73	284.70

N 1/4 of Lincoln

w			2,0	284.6
bh			2,0	284.6
y			2,0	284.6
b			2,0	284.6
y			1,5	285.1
bh			1,8	284.6
E	+12'		44	282.2
			(47) (80)	282.2

286.56

Mississippi

Center of Lincoln

E		12,2	274.4
bh	+4'	11,5	275.1
y	+5'	9,1	277.5
	+10'	5,5	281.1
b	+5'	6,0	280.6
y	+5'	3,3	283.3
bh		2,2	284.4
y		5,8	280.8
		2,7	283.9
w		3,3	283.3
		3,1	283.5

S 1/4 of Lincoln

w		4,1	282.4
bh		4,8	281.6
y		5,2	281.4
b		5,2	281.4
y	+6'	6,1	280.5
		8,3	278.3
bh	+7'	12,0	276.6
E		12,8	273.8
		11,0	275.6

S bb of Lincoln

E		7,6	279.0
bh		10,0	276.6
y		13,2	273.4
b	+7'	13,2	273.3
y		10,7	275.9
bh		7,9	278.7
w		7,2	279.4
		6,5	280.1

28656

S Line of Lincoln

W		10.2	276.4
bb		10.8	275.8
y		12.6	274.0
b	+8'	14.0	272.6
		13.6	273.0
y		10.3	276.3
bb		7.7	278.9
E		5.2	281.4
	18' S of Lincoln		
E		6.8	285.8
bb		3.0	283.6
y		4.7	281.9
b		6.4	280.2
y		9.5	277.1
bb		14.45	272.2
W		14.5	272.1
	22' S of Lincoln		
W 2		14.9	
	25' S of Lincoln		
W		13.2	273.4
bb		8.2	278.4
y		6.1	280.5
b		4.8	281.8
y		3.1	283.5
bb		1.8	284.8
E		+0.5	287.1

28656

	35' S of Lincoln		
W2		8.0	
	50' S of Lincoln		
W		6.8	279.8
bb		4.2	272.4
TP	9.47	294.17	18.6
y		10.5	283.7
b		9.2	285.0
y		7.7	286.5
bb		6.7	287.5
E		5.3	288.9
	75' S of Lincoln		
E		4.2	290.0
bb		5.5	288.7
y		5.3	288.9
b		7.2	287.0
y		8.5	285.7
bb		9.9	284.3
W		11.1	283.1
	100' S of Lincoln		
W		8.9	285.4
bb		8.0	286.2
y		7.0	287.2
b		6.4	287.8
y		5.3	288.9
bb		4.5	289.7
E		4.1	290.1

29417

	1.25' S of Lincoln		
E		3.2	291.0
bl		4.1	290.1
y		5.0	289.2
b		5.7	288.5
y		6.7	287.5
bl		7.5	286.7
W		8.3	285.9
	1.50' S of Lincoln		
W		7.3	286.9
bl		7.0	287.2
y		6.1	288.1
b		4.2	290.0
y		3.7	290.5
bl		3.1	291.1
E		2.6	292.6
	1.75' S of Lincoln		
E		2.4	291.7
bl		2.8	291.4
y		3.5	290.7
b		4.4	289.8
y		5.0	289.2
bl		5.9	288.3
		7.4	286.8
	6.75 29437	6.55	288.62

	2.00' S of Lincoln		
W		6.6	287.8
bl		5.9	288.5
y		5.4	289.0
b		4.9	289.5
y		4.0	290.4
bl		3.3	291.1
E		2.8	291.6
	2.25' S of Lincoln		
E		2.8	291.6
bl		3.5	290.9
y		4.2	290.2
b		4.8	289.6
y		5.6	288.8
bl		5.9	288.5
W		6.7	287.7
	2.50' S of Lincoln		
W		6.1	288.3
bl		5.7	288.7
y		5.6	288.8
b		4.7	289.7
y		4.4	290.0
bl		4.2	290.2
E		3.4	291.0

275' S of Lincoln

E	3.9	290.5
bl	4.0	290.4
y	4.4	290.0
b	5.1	289.3
y	5.5	288.9
bl	5.6	288.6
W	6.4	288.0

300' S of Lincoln

W	6.7	287.7
bl	5.8	288.6
y	5.6	288.6
b	5.3	289.1
y	4.6	289.8
bl	4.2	290.2
E	4.2	290.2

325' S of Lincoln

E	4.5	289.9
bl	4.8	289.6
y	5.2	289.2
b	5.5	288.8
y	5.9	288.5
bl	6.4	288.0
W	7.2	287.2

350' S of Lincoln

W	7.2	287.2
bl	6.7	287.7
y	6.3	288.1
b	5.8	288.6
y	5.5	288.9
bl	5.0	289.4
E	4.8	289.6

375' S of Lincoln

E	5.1	289.3
bl	5.4	289.0
y	5.7	288.7
b	6.0	288.4
y	6.6	287.8
bl	6.8	287.6
W	7.3	287.1

400' S of Lincoln

W	7.8	286.6
bl	7.2	287.2
y	6.8	287.6
b	6.6	287.4
y	5.9	288.5
bl	5.6	288.8
E	5.6	288.8

29437

425' S of Lincoln

E	6.1	288.3
bh	6.1	288.3
4	6.5	287.9
b	6.7	287.7
4	7.1	287.3
bl	8.0	286.4
W	8.5	285.9

450' S of Lincoln

W	8.8	285.6
bh	7.8	286.6
4	7.3	287.1
b	6.4	288.0
4	5.8	288.6
bl	6.0	288.4
E	6.7	287.7

475' S of Lincoln

E	7.1	287.3
bl	6.7	287.7
4	7.4	287.0
b	7.2	287.2
4	7.3	287.1
bl	7.8	286.6
W	8.5	285.9
TP 441	290.38	8.40	285.97

290.38

500' S of Lincoln

W	4.7	285.7
bl	4.6	285.8
4	3.8	286.6
b	3.9	286.5
4	4.5	285.9
bl	4.2	286.2
E	3.8	286.6

525' S of Lincoln

E	4.6	285.8
bl	4.7	285.7
4	4.7	285.7
b	5.0	285.4
4	5.1	285.3
bl	5.5	284.9
W	5.3	285.1

550' S of Lincoln

W	7.2	283.2
bl	6.6	283.8
4	6.4	284.0
b	5.6	284.8
4	5.5	284.9
bl	5.7	284.7
E	5.0	285.4

290.38 ✓

575' S of Lincoln

E	5.4	285.0
bh	6.5	283.9
y	6.7	283.7
b	6.4	284.0
y	7.1	283.3
bh	8.2	282.2
W	8.6	281.8

596' S of Lincoln (W)

W	10.3	280.1
bh	10.0	280.4
y	9.6	280.8
b	8.5	281.9
y	8.4	282.0
bh	6.7	283.7
E	5.5	284.9

600' S = n l of University (Graded)

E	7.2	283.2
bh	8.0	282.4
y	8.7	281.9
b	9.2	281.2
y	10.0	280.4
bh	10.7	279.7
W	10.4	280.0

7/25/4 | Clough Omman Fitzpatrick | Check Curb El & Line 10th St Park to N St

82.96 Bm n w ash
9.93
92.89
0.40
92.49
12.77
105.26

80.00 12.89 | 84.16 8.73 | 87.16 5.73 | 91.33 2.56 | 88.33 4.33 | 92.50 .39

95.50 9.76 | 99.66 5.60 | 96.66 8.60 | 100.83 4.43 | 103.83 1.43

108.01 n E Beach
12.11
120.12
0.32
119.80
8.67
128.47
4.22
124.25
6.16
130.41

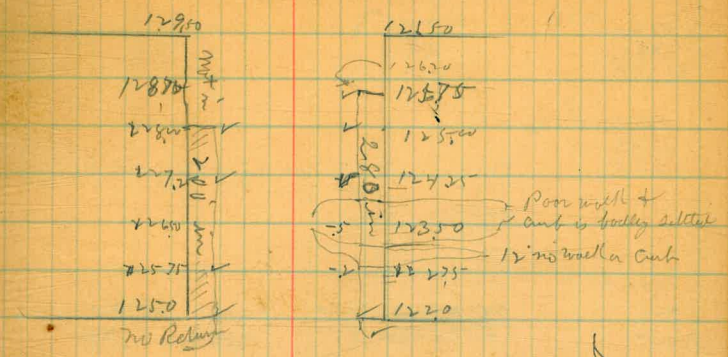
111.0 114.62 111.62 115.25 182.5
9.12 5.50 8.50 4.87 1.87

121.87 118.87 125.50 122.5 125.25 122.25 125 122
6.60 9.60 2.97 5.97 3.22 6.22 3.47 6.47

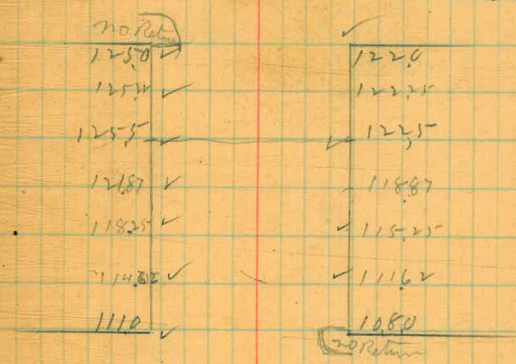
125.00 122.00 125.75 122.75 126.50 123.50 127.25 124.25
5.41 8.41 4.66 7.66 3.91 6.91 3.16 6.16

128.00 125.00 125.75 126.20
2.41 5.41 4.66 4.20

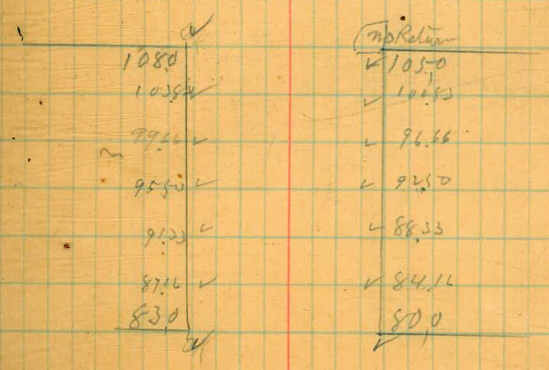
10th St



Cedar



Beach



ash

7098 n×b
561
76.59

7244 B
5.38
77.75

7410
3.65
7242
5.33

7225
5.50
7125
6.50

7200
5.75

7368
4.07

7326
4.49

7175
6.01

7150
6.25

7254
4.91

7299 n×a
7.40
77.39

7250
4.89

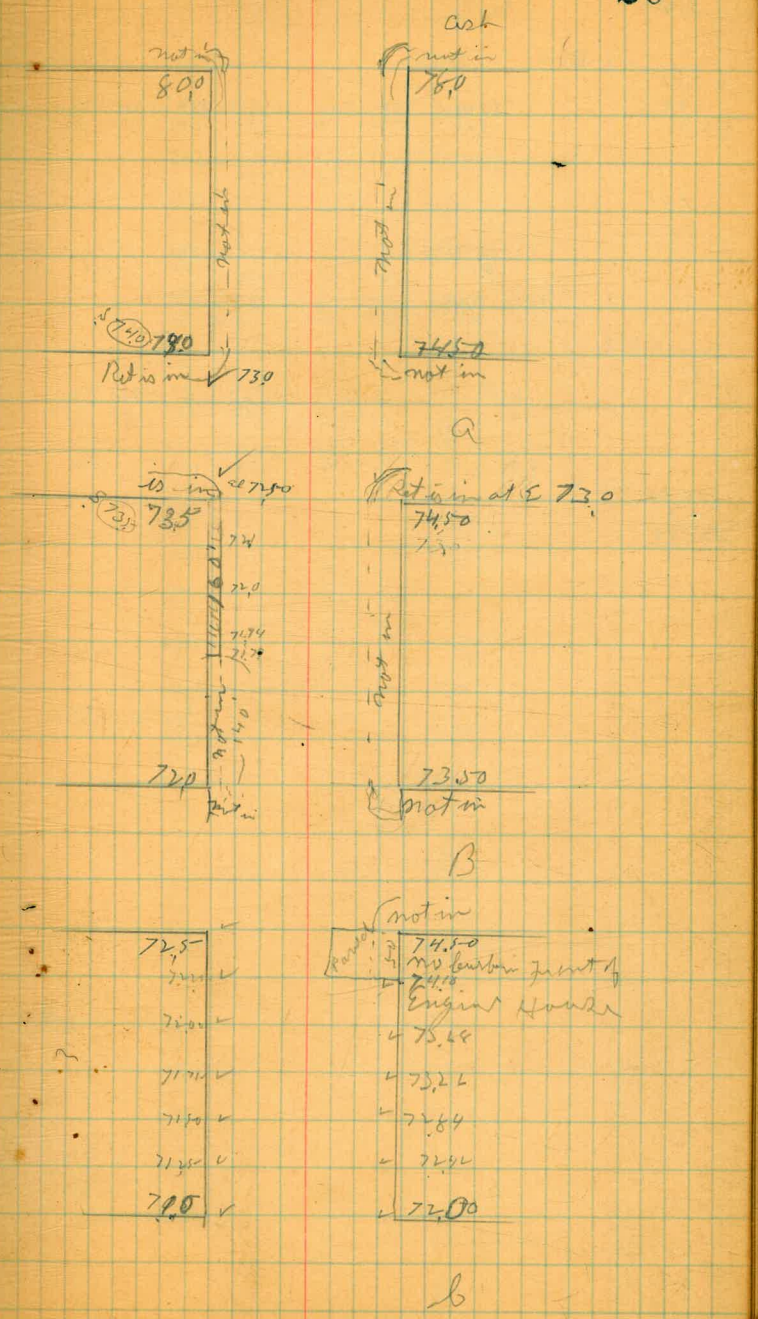
7739
5.3
72.1

7739
5.39
72.00

7739
5.65
71.74

8296

10th st



10 ft 22

nw 8+10

67.01
6.99
74.00

67.00 68.50 69.0 67.50 68.0 69.5 70.0 68.50
7.00 5.50 5.00 6.50 6.00 4.50 4.0 5.50

69.00 70.50 71.0 69.5
5.00 3.50 3.0 4.50

67.01
4.30
71.31

68.50 68.0 67.00 65.83 65.16 66.00
9.81 3.31 4.31 5.48 6.15 5.31

65.00 64.50 63.83 64.00 63.16 63 62.50 62
6.31 6.81 7.48 7.31 8.15 8.31 8.81 9.31

62.50 nw E
2.60
65.10

61.00 61.50 59.66 60.08 58.66 58.33
4.1 4.60 5.44 5.02 6.44 6.77

57.00 57.25 55.83 55.66 54.33 54.41 53.00
2.88 2.63 4.05 4.22 5.55 5.47 6.88

52.96 nw 7
6.92
59.88

C st

71.0	72.0
70.33	71.41
69.66	70.83
69.00	70.25
68.33	69.66
67.66	69.08
67.0	68.50

D

66.5	68.00
65.83	67.16
65.16	66.33
64.50	65.50
63.83	64.66
100' of bank .25 west 63.16	63.83
62.50	63.0

E

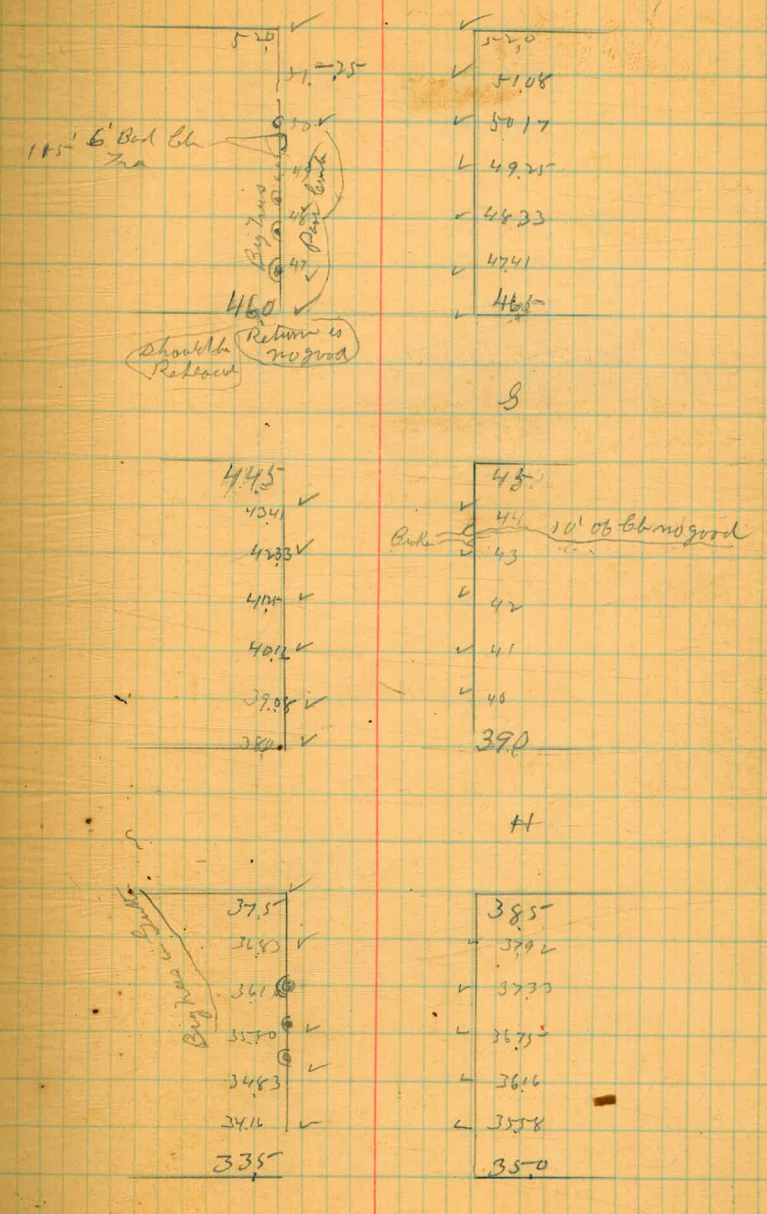
61.00	61.50
59.66	60.08
Drop in bank 58.33	58.66
57.00	57.25
55.66	55.83
5' bank Broken out 54.33	54.41
53.00	53.00

7

52.96 nw 7 2.27 55.23	52.00 3.23 48.00 23 7..	51.00 51.08 4.23 4.15 48.33 47.41 6.90 7.82	50.00 50.17 5.23 5.06 47.80 8.23	49.00 49.25 6.23 6
46.51 nE 9 2.37 48.88	46.00 2.88 41.25 7.63	44.50 45.00 4.38 3.88 42.00 40.16 6.88 8.72	43.41 44.00 5.47 4.88 41.00 40.16 7.88 8.88	42.33 43.00 6.55 5.88 39.08 9.80
nw 16 37.95 4.00 41.95	37.5 38.50 4.45 3.45 34.83 36.16 7.12 5.99	37.92 36.83 4.03 5.12 34.16 35.58 7.79 6.37	36.10 37.33 5.85 4.62 35.5 35.0 6.45 6.95	35.50 36.75 6.45 5.20
33.48 3.05				

10th st

7



3348 NW J
305
36,53

335 ✓	345	3241	3333	3133	3216	3025	3100	
3.03	2.03	4.02	5.20	5.20	4.37	6.28	5.53	
2916	2983	2866	2808	2700	2750			
7.37	6.70	7.87	8.47	9.53	9.03			

2692 NW J
140
28,32

2500	2600	2416	2500	2333	2400	2250	2300
3.32	2.32	4.16	3.32	5.00	4.32	5.82	5.32
2166	2200	2083	2100	2000			
6.66	6.32	7.49	7.32	8.32			

2002
208
22,10

1900	1816	1733	1650	1566	1483	1400
3.10	3.41	4.77	5.60	6.44	7.27	8.10

10th St

J

Return Badly Broken

335 ✓	✓ 345
3241 ✓	✓ 3333
3133 ✓	✓ 3216
3025 ✓	✓ 3100
2916 ✓	✓ 2983
2808 ✓	✓ 2866
2700 ✓	✓ 2750

J

250 ✓	✓ 260
2416 ✓	✓ 25
2333 ✓	✓ 24
2250 ✓	✓ 23
2166 ✓	✓ 22
2083 ✓	✓ 21
2000 ✓	✓ 20,0

K

Return Broken

1900 ✓	✓ 1900
1816 ✓	✓
1733 ✓	✓
1650 ✓	✓
1566 ✓	✓
1483 ✓	✓
1400 ✓	✓ 1400

L

1.411 nwL
180
15.91

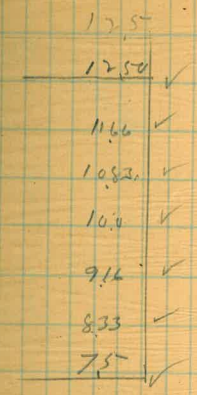
1250	1166	1083	1000	916	833	750
3.41	4.25	5.08	5.91	6.75	7.58	8.41

.748
260
10.08

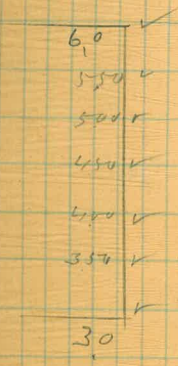
600	650	550	600	500	550	450	500
4.08	3.58	4.58	4.08	5.08	4.58	5.58	5.08
400	450	350	400	300	350		
6.08	5.58	6.58	6.08	7.08	6.58		

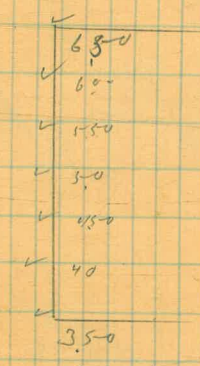
10th ss

L



M



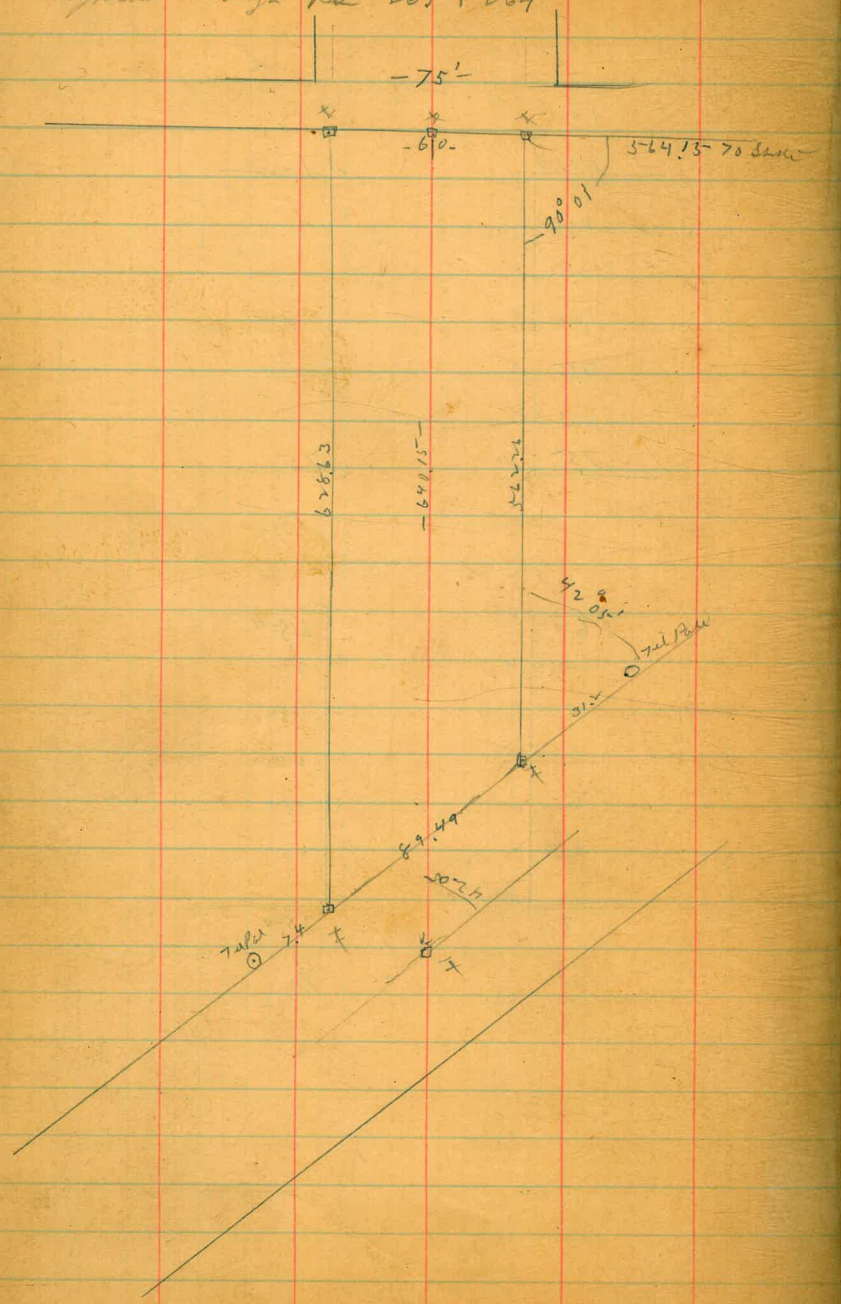


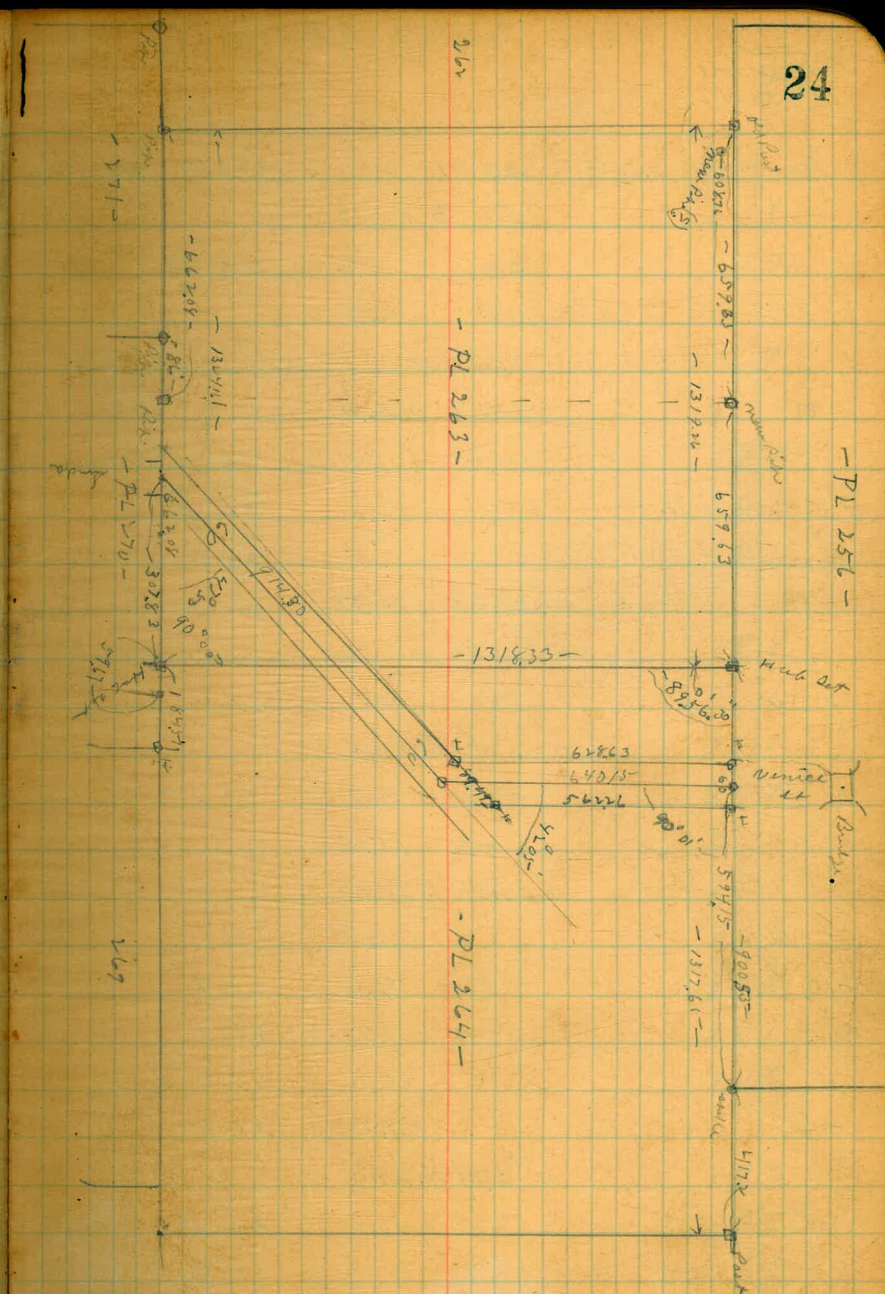
h

8 Clough
7 Denman
11 Fitzpatrick

Location of La Jolla Boulevard

Through Bl 263 + 264





10/23/11 Hatch Moore Hall

X Sec India St. Bridge

BM India-Juniper	2.90	49.77		46.870	SW Cor Plug-Rt.
		25' S. of Bridge			
W			7.6	42.2	
3' W			{7.9 / 13.9	41.9	
		10' S of Bridge			
W			{6.9 / 16.4		
		S. end of Bridge = Nh Kalmia			
3' E of W line			{6.8 / 19.8	43.0 / 30.0	
W			19.8	30.0	
E			5.5	34.3	
T.P.	2.63	39.44	12.96	36.81	
		25' S of Bridge			
23' W			6.2		
		10' S of Bridge			
10' W			9.0		
20' W			15.5		
		S end Bridge			
25' W			20.3	19.1	
+10			9.6	29.8	
Cb			8.2	31.2	
1/4			2.0	37.4	
+6			+1.5	37.9	
		10' N. of Kalmia			
W			16.0	23.4	
Cb			11.0	28.4	
1/4			6.1	33.3	
Cr			+1.5	40.9	
T.P.	3.50	30.96	11.98	27.46	

	30.96		
	10' S of Bridge		
33 W		10.7	21.3
43 " Level beyant		14.3	17.7
	S End of Bridge		
35 W Level beyant		14.1	16.9
	10' N of Kalmia		
10 W		12.3	18.7
26 W		12.9	18.1
40 W		11.8	19.2
	25' N of Kalmia		
W		12.3	18.7
24' W		12.5	17.5
40 W		8.5	22.5
+7		10.5	20.5
Cb		8.2	22.8
1/4		5.5	25.5
C		0.7	30.3
+10		{0.0 / 5.2	31.0 / 26.8
1/4		5.2	
Cb		2.9	28.1
+4		10.0	21.0
	35' N		
W		12.7	18.3
Cb		12.5	18.5
1/4		13.0	18.0
C		12.6	18.4
1/4		10.0	21.0
Cb		12.1	18.9

		30.96		
		50' N		
34' W			0.5	30.5
30 "			5.8	25.2
17 "			12.1	18.9
W			12.7	18.3
cb			12.4	18.6
1/4			12.4	18.6
c			12.6	18.4
1/4			12.4	18.6
cb			12.7	18.3
		52' N		
10' W			11.8	19.2
		65' N		
W			12.2 70	18.8
cb			12.0 68	19.0
1/4			11.5	19.5
C			9.7	21.3
1/4			8.7	22.8
cb			6.4	24.6
		52' N		
TP	1227	39.73	3.50	27.46
30' W			8.5	31.2
		65' N.		
25' W. Level west			5.0	34.7
		75' N		
17 W Level west			4.9	34.8
W			14.5	25.2

	39.73		
cb.		16.8	22.9
1/4		14.6	25.1
C		14.0	25.9
1/4		13.1	26.6
cb.		10.5	29.2
	90' N		
15' W		3.8	35.9
W		3.6	36.1
cb		7.6	32.1
1/4		6.4	33.3
C		3.6	36.1
1/4		4.0	35.7
cb		5.6	34.1
	100' N		
15' W		3.4	36.3
W		2.6	37.1
cb		1.5	37.9
1/4		+2.0	41.7
C		+3.7	43.4
+8		+3.7	43.4
	108' N		
15' W		3.2	36.5
W		1.5	38.2
cb.		0.0	39.7
1/4		+3.0	42.7
C		+5.2	44.9
+8		+5.0	44.7

		39.73		
TP.	12.33	51.10	0.86	38.87
		1+20 N.		
W			4.1	47.0
Top of Bridge N. end			3.85	47.8
" " Rail N. end of Bridge			3.50	47.6
E			6.9	44.2
TP.	1.20	40.52	11.78	39.32
		1+08 N.		
14 E level east			7.6	32.8
E			4.3	36.2
cb			2.6	36.9
1/4			1.5	39.0
		100 N.		
	level east.			
20 E			19.0 / 9.2	
E			8.6	31.9
cb			6.2	34.3
1/4			2.4	38.1
TP	2.01	31.44	11.09	29.43
		90 N		
E			5.4	26.0
20			12.5	18.9
35			11.3	20.1
		75 N.		
E			12.2	19.2
25			10.4	21.0
35			4.5	26.9

	31.44	
	65 N.	
E	12.1	19.3
15 E	11.8	19.6
25 E	+1.0	32.4
	50 N.	
E	13.2	18.2
15 E	5.6	25.8
24	0.0	31.4
	35 N.	
E	9.1	22.3
15 E	3.6	27.8
21 E	0.0	31.4
	25 N.	
E	5.2	26.2
18 E	0.0	31.4

4/2/11 | bkgd | X Sec of McHealey St (80)
8 | La Jolla ~~E~~ to Pueblo Sim
E

					Mon SE Arctic & Vacancy
	12.5	64.68		63.43	
	9.20	70.63	3.25	61.43	
	E Sim of La Jolla on				
R			5.4	65.2	
bh			5.9	64.7	
y			5.6	65.0	
b			5.4	65.2	
y			6.0	64.6	
bh			6.2	64.4	
S			6.4	64.2	
TP	12.08	78.54	4.17	66.46	
	2' E of La J				
S +3'			6.6	71.9	
bh			14.0		
			14.2		
y			14.1		
b			13.3	65.2	
y			13.4		
bh +7'			13.4		
R +9'			13.0	71.1	
			6.8		
			7.4		
	25' E of La J				
R			5.4	73.1	
bh +5' +10'			5.1		
			12.2		
			12.7		
y			12.3		
b			12.6	65.9	
y			12.6		
bh			13.0		
S			13.8	64.7	

78.54

	50' E of La Jolla			
S +21		11.5	67.0	
		12.2		
bh		11.8		
y		11.7		
b		11.9	66.6	
y		12.0		
bh		11.9		
R +4' +1		11.6		
		2.4	75.8	
		2.7		
	75' E of La J			
R		6.3	78.2	
bh +5' +11'		0.5		
		10.5		
		11.0		
y		11.5		
b		11.4	67.1	
y		11.5		
bh		11.6		
S +10'		12.0		
		4.5	74.0	
	84' E of La J			
S		+0.5	79.0	
bh		11.7		
y		11.4		
b		11.7	66.8	
y		11.2		
bh +5		9.8		
R		+0.5	78.5	
		0.0		
T.P. 12.18	90.30	0.42	78.12	Rey

90.30

	100'	E of	La Jolla	
NL			10.1	80.2
bb			9.7	
y			9.3	
b			9.5	80.8
y			9.3	
bb			8.7	
S			10.0	80.3
	125'	E of	La Jolla	
S			6.9	83.4
bb			7.2	
y			7.3	
b			7.1	83.2
y			7.5	
bb			7.7	
n			7.9	82.4
	150'	E of	La Jolla	
n			5.3	85.0
bb			4.8	
y			4.5	
b			4.7	85.6
y			4.3	
bb			4.0	
S			4.2	86.1

90.30 McNeally

	175'	E of	La Jolla	
S			1.7	88.6
bb			1.4	
y			1.6	
b			1.4	88.9
y			1.7	
bb			2.1	
n			2.0	88.3
	200' E = W of		Arctic St	
TP	1300	10308	0.22	90.08
n			10.3	92.8
bb			10.6	
y			10.6	
b			10.4	92.7
y			10.3	
bb			10.5	
S			10.6	92.5
	W bb of		Arctic	
SL			8.9	94.2
bb			9.0	94.1
y			8.3	94.8
b			8.1	95.0
y			8.4	94.7
bb			8.6	94.5
n			8.5	94.6

	N 1/4 of Arctic st		
n		6.6	96.5
bb		6.1	97.0
4		5.9	97.2
6		6.1	97.0
4		6.7	96.4
bb		7.1	96.0
S		7.8	95.3
	Center of Arctic		
S		6.2	96.9
bb		6.0	97.1
4		5.0	98.1
6		4.4	98.7
4		3.7	99.4
bb		4.0	99.1
n		4.2	98.9
	E 1/4 of Arctic		
n		1.4	101.7
bb		1.6	101.5
4		1.5	101.6
6		2.5	100.6
4		3.3	99.8
bb		3.8	99.3
S		4.6	98.5

	E bb of Arctic		
S		2.9	100.2
bb		2.2	100.9
4		1.7	101.4
6		0.7	102.4
4		0.0	103.1
bb		0.0	103.1
n		0.0	103.1
TP	12.70	115.10	0.68 102.40
	E line of Arctic st		
n		9.3	105.8
bb		9.2	
4		9.8	
6		10.5	104.6
4		11.7	
bb		12.3	102.8
S		13.4	101.7
	25' E of arctic		
S		9.9	105.2
bb		9.4	
4		9.0	
6		7.8	107.3
4		6.5	
bb		5.7	
n		5.0	110.1

115.10

	50' E of	Arahi	
n		3.0	112.1
bh		2.9	
y		4.0	
b		5.3	109.8
y		6.2	
bh		6.4	
S		6.9	108.2
	63' E = P. Lin on North		
S		4.8	110.3
bh		4.7	
y		4.9	
b		3.9	111.2
y		2.8	
bh		2.0	
n		0.8	114.3
	63' E on n 95' E " S } = Pueblo Lin		
n		0.8	114.3
bh		1.3	
y		1.7	
b		2.6	112.5
y		2.4	
bh		1.8	
S		+0.1	115.2

11/3 / 11 — Bright D E

X sec of 16th St (80')

S of D to 2 of 7

	229	58.18		55.89	SW 16 D
	S of	D st	(Paved)		
W			2.0	56.2	
bl			2.2	56.0	
4			2.4	55.8	
b			2.2	56.0	
4			2.3	55.9	
bl			2.5	55.7	
E			2.2	56.0	
	25'	S of	D St		
E			2.4	55.8	
bl			2.4	55.8	
4			2.3	55.9	
b			2.3	55.9	
4			2.5	55.7	
bl			3.0	55.2	
W	44'		2.6	55.6	
			2.4	55.8	
	50'	S of	D St		
W			2.6	55.6	
bl Butt			2.8	55.4	
			3.4	54.8	
4			2.9	55.3	
b			2.6	55.6	
4			2.7	55.5	
bl Butt			3.0	55.2	
			2.5	55.7	
E			2.7	55.5	

58.18 — 16th St

75' S of D St

E	2.9	55.3
bl	3.0	55.2
4 Butt	3.5	54.7
	3.0	55.2
4	2.9	55.3
4	3.2	55.0
bl Butt	3.8	54.4
	3.2	55.0
W	3.1	55.1

100' S of D St

W	3.6	54.6
bl	3.6	54.6
4 Butt	4.3	53.9
	3.5	54.7
b	3.2	55.0
4	3.3	54.9
bl Butt	3.7	54.5
	3.3	54.9
E	3.3	54.9

125' S of D St

E	3.5	54.7
bl	3.8	54.4
Butt	4.4	53.8
4	3.5	54.7
4	3.5	54.7
4 Butt	3.9	54.3
	4.7	53.5
bl	4.0	54.2
W	4.1	54.1

5818

	150 S of D St		
W		4.5	53.7
bh		4.5	53.7
Gutter		5.0	53.2
4		4.3	53.9
b		3.8	54.4
4		4.0	54.2
Gutter		4.3	53.9
bh		3.7	54.5
E		3.6	54.6
	175' S of D St		
E		4.0	54.2
bh		4.5	53.7
Gutter		5.1	53.1
4		4.2	54.0
b		4.2	54.0
4		4.6	53.6
Gutter		5.5	52.7
bh		4.9	53.3
W		4.9	53.3
	200' S of D St		
W		5.3	52.9
bh		5.3	52.9
B		5.9	52.3
4		5.0	53.2
b		4.5	53.7
4		4.6	53.6
bh B		5.1	53.1
E		4.5	53.7
		4.2	54.0

5818

16 St

	225' S of D St		
E		4.6	53.6
bh		4.8	53.4
B		5.3	52.9
4		4.8	53.4
b		4.8	53.4
4		5.3	52.9
bh B		6.2	52.0
		5.6	52.6
W		5.6	52.6
	250' S of D St		
W		6.0	52.2
bh		5.8	52.4
B		6.4	51.8
4		5.6	52.6
b		5.2	53.0
4		5.2	53.0
bh Gut		5.4	52.8
		4.9	53.3
E		4.7	53.5
	275' S of D St		
E		4.6	53.6
bh		5.0	53.2
B		5.8	52.4
4		5.5	52.7
b		5.5	52.7
4 Gut		5.9	52.3
b		6.4	51.8
W		6.0	52.2
		6.2	51.9

58.18

	286	S of	D St	
W			6.3	51.9
bl			6.1	52.1
y			5.8	52.4
b			5.8	52.4
y			5.2	53.0
bl			4.5	53.7
E			4.4	53.8
	291'	S of	D St	
E			1.1	57.1
bl			2.2	56.0
y			3.6	54.6
b			3.7	54.5
y			4.5	53.7
bl			4.7	53.5
W			5.1	53.1
TP	7.53	64.81	0.90	57.28
	300'	S = n side of	E St (80)	
W			6.3	58.5
bl			6.0	58.8
y			5.6	59.2
b			5.3	59.5
y			3.9	60.9
bl			3.2	61.6
E			3.2	61.6

There is only a slight Gutter on E St

64.81 16th

n side +3' of E St

E	2.8	62.0
bl	3.2	61.6
y	3.1	61.7
b	3.2	61.6
y	3.2	61.6
bl	3.2	61.6
W	3.7	59.1

Center of E St

W	3.8	61.0
bl	3.4	61.4
y	3.4	61.4
b	3.2	61.6
y	3.2	61.6
bl	3.2	61.6
E	3.0	61.8

3' n b S line of E St

E	2.5	62.3
bl	2.8	62.0
y	3.4	61.4
b	3.2	61.6
y	3.4	61.4
bl	3.3	61.5
W	3.7	61.1

6481

S line of E st

W		6.0	58.8
bb		5.2	59.6
y		4.2	60.6
b		4.7	60.1
y		4.4	60.4
bb		3.3	61.5
E		2.3	62.5

6' - S on E st

E		2.3	62.5

75' S " " "

E		1.5	63.3

940' S " " "

E		0.5	64.3

100 S " "

E		5.0	59.8
TP	5.70	12.00	52.81

19' S of E st

E		5.0	53.5
bb		7.0	51.5
y		8.8	49.7
b		8.0	50.5
y		9.1	49.4
bb		9.5	49.0
W		10.0	48.5

5851

25' S of E st

W	10.8	47.7
bb	10.5	48.0
y	10.1	48.4
b	8.8	49.7
y	9.4	49.1
bb	8.7	49.8
E	5.0	53.5

50' S of E st

E	5.4	53.1
bb	6.9	51.6
y	9.1	49.4
b	9.8	48.7
y	10.6	47.9
bb	10.9	47.6
W	11.0	47.5

75' S of E st

W	10.7	47.8
bb	10.5	48.0
y	10.2	48.3
b	9.2	49.3
y	6.4	52.1
bb	1.4	57.1
E		63.8

5851

100' S of E St

E		59.8
bb	4.0	54.5
y	8.7	49.8
b	9.2	49.3
y	10.0	48.5
bb	10.3	48.2
+2'	9.6	48.9
W	9.5	49.0

125' S of E St

W	9.2	49.3
bb	9.6	48.9
y	9.7	48.8
b	8.9	49.6
y	8.6	49.9
bb	8.6	49.9
E	5.8	52.7

150' S of E St

E	5.7	52.8
bb	8.2	50.3
y	8.2	50.3
b	8.3	50.4
y	9.0	49.5
bb	9.6	48.9
	9.2	49.3
W	9.0	49.5

5851

175' S of E St

E		4.6	53.9
bb		7.0	51.5
y		7.7	50.8
b		7.8	50.7
FP	666	5737	78.0	50.71
bb		7.4	50.0
+60'		8.0	49.4
bb		7.2	50.2
W		7.6	49.8

200' S of E St

W	7.8	49.6
+2'	7.2	50.2
bb	6.8	50.6
+3'	7.7	49.7
y	7.3	50.1
b	6.4	51.0
y	6.0	51.4
bb	5.3	52.1
E	3.7	53.7

225' S of E St

E	2.5	53.9
+3'	4.7	52.7
bb	6.1	51.3
y	5.7	51.7
b	6.2	51.2
y	7.1	50.3
+10'	7.5	49.9
b	6.7	50.7
y +10'	7.0	50.4
	8.2	49.2

57.37

250' S of E St

W		8,2	49.2
bh +4'		6,7	50.7
		6,2	51.2
+2'		7,0	50.4
y		6,5	50.9
b		5,7	51.7
y		5,4	52.0
bh		5,8	51.6
+9'		4,3	53.1
E		3,0	54.4

275' S of E St

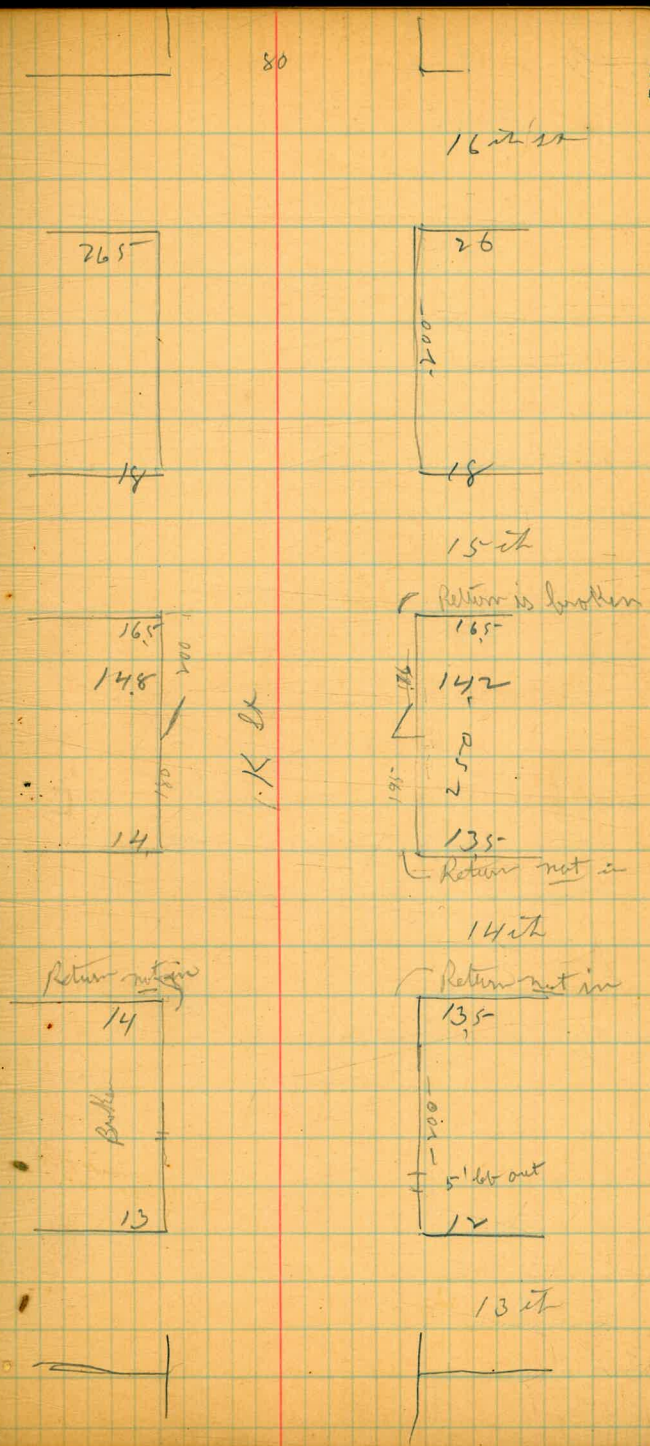
E		3,6	53.8
+4'		4,6	52.8
bb		4,7	52.7
y		5,0	52.4
b		5,4	52.0
y		6,0	51.4
+11'		6,7	50.7
bh		5,7	51.7
+8'		6,3	
W		8,4	49.0

300' S = N L of 7 St

W		5,8	51.6
bb		5,8	51.6
y		6,0	51.4
b		5,4	52.0
y		5,1	52.3
bh		4,9	52.5
E		4,6	52.8

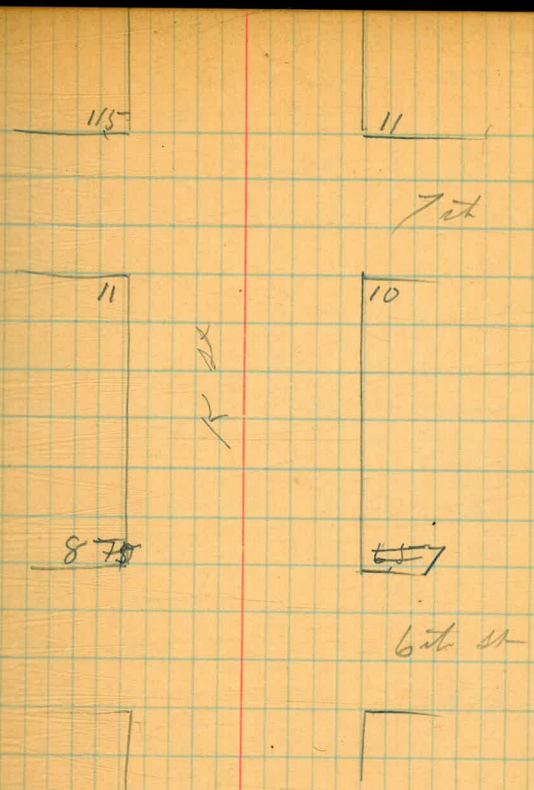
4/7/41 Clough Check Curbs K St
D 6th to 16
E

1.29		29.30				28.01				NE 16+K
29.30	29.30	29.30	29.30	29.30	29.30	29.30	29.30	29.30	29.30	
2.90	3.40	5.25	5.0	7.20	7.30	9.30	9.30	11.30	11.30	
26.40	25.9	24.05	24.30	22.10	22.00	20.00	20.0	18.00	18.00	
n	S	S	n	n	S	S	n	NE		
3.88		20.36				16.48				NW 15+K
20.36		20.36	20.36	20.36	20.36	20.36	20.36			
3.90		4.72	4.45	5	5.4	6	5.6			
16.48		15.64	15.8	15.36	15.0	14.36	14.8			
S	n	S	n	n	S	S	n			



13	12
	13 st
13,0	11,5
20,5	18,5
	12
21,5	20,5
15 st	
22	21
	11
22	21
20,0	19,0
	10

20	19,0
	10 st
20	19,0
17,5	17,0
	9
16,5	16,0
15	14
	8
15	14
11,5	11
	7 st


11.5
11
7th
11
10
8 7th
6th st

11 + Chaye
17/17 / Sumar
Zy

X Sec of 4th St (80')
Palm to Red Wood, W ½

NE 4th Rm

	226	27264	270.38

N Line of Red Wood

w		6.5	266.1
+5		2.6	270.0
bl		3.9	268.7
y		3.1	269.5
b		2.7	269.9
A R Rail		27.5	

(+20') N ½ of Red Wood

w	+9'	5.2	267.4
		3.2	269.4
bl		2.9	269.7
y		2.8	269.8
b		2.7	269.9

(+10) N ¼ of Red Wood

w		4.2	268.4
+4'		2.8	269.8
bl		3.0	269.6
y		3.0	269.6
b		2.8	269.8

Center of Red Wood

w		3.6	267.0
bl		2.2	270.4
y		3.0	269.6
b		2.8	269.8

S ¼ of Red Wood

w		5.1	267.5
bl		3.0	269.6
y		2.7	269.9
b		2.7	269.9

27264

4th St

S bb of Red Wood

w		7.5	2651
bl		3.2	2694
y		2.3	2703
b		2.7	2699

S Line of Red Wood

w		14.2	2584
bl		4.2	2684
+3'		2.4	2702
y		2.0	2706
b		2.7	2699
y			

12' S of Red Wood

w		14.8	2578

25' S of Red Wood

w		12.2	2604
+10'		6.0	2666
bl		5.7	2669
y		2.6	2700
b		2.9	2697

50' S of Red Wood

w		9.9	2627
bl		5.5	2671
y		4.0	2686
b		2.9	2697

75' S of Red Wood

w		7.6	2650
bl		6.7	2659
y		6.2	2664
b	+5'	3.3	2693
	10'	2.7	2699
		3.0	2696

27264

100' S of Red Wood

w			16.0	256.6
bh			14.0	258.6
y			8.4	264.2
b	+6'		2.8	269.8
			3.0	269.6
TP	134	27124	2.74	269.90

125' S of Red Wood

w			—	247.1
bh			16.8	257.4
y			8.0	263.2
b	+8'		1.0	270.2
			1.8	269.4

150' S of Red Wood

w			—	250.8
bh			10.4	261.0
y			3.5	267.9
b	+8'		0.8	270.4
			1.8	

175' S of Red Wood

w			—	248.7
bh			15.9	255.3
y			8.1	263.1
b	+6'		2.2	269.0
			2.0	269.2

200' S of Red Wood

w			—	245.0
bh			18.5	252.7
y			10.2	261.0
b	+5 +6		8.9	262.3
			2.8	268.4
b	+10'		1.5	269.7
			2.1	269.1

27124

225' S of Red Wood

w			—	247.1
bh			16.7	254.5
y			7.8	263.4
b	+8		1.6	269.6
			2.3	268.9

250' S of Red Wood

w			—	255.8
bh			12.8	258.4
y			7.4	263.8
b	+61		2.5	268.7
			2.5	268.7

275' S of Red Wood

w			—	256.9
bh			7.7	263.5
y			2.8 ~~2.8~~	268.4
b			2.6	268.6

300' S of Red Wood = N S Dunne (80)

w			—	247.6
bh			19.8	251.4
y			10.4	260.8
b	+10'		2.7	268.5
			2.7	268.5
Rail			2.8	268.4

N bb of Dunne

w	Top wall			244.6 (Bottom 241.1)
bh			21.1	250.1
y			11.9	259.3
b	9/10'		2.6	268.6
			2.9	268.3

271.24

N 1/4 of Quince

w	Top of wall		244.6	Bottom wall 237.2
bh		22.6	248.6 ~~247.6~~	
y		12.5	258.7	
b		3.4	267.8	

Center of Quince

w	Top wall		244.6	Bottom wall 235.2
bh		22.7	248.5	
y		13.4	257.8	
b		3.5	267.7	

S 1/4 of Quince

w	Top of wall		244.6	Bottom 234.2
bh		22.6	248.6	
y		12.7	258.5	
b		4.2	267.0	

S bb of Quince

w	Top of wall		244.6	Bottom 234.0
bh		21.8	249.4	
y		12.5	258.7	
b		4.7	266.05	

S Line of Quince

w	Top of wall		244.6	Bottom wall 238.9
bh		21.1	250.1	
y		12.3	258.9	
b +10'		3.4	267.8	
		3.0	268.2	

2.89 271.80 268.91 Bm NE 4+2

25' S of Quince

w			247.7
bh		19.4	252.4
y		12.7	259.1
b +10'		4.0	267.8
		3.6	268.2

50' S of Quince

w			251.7
bh		12.6	259.2
y +6'		6.2	265.6
		3.7	268.1
b		3.6	268.2

75' S of Quince

w			266.7
bh		5.1	~~256.0~~ 269.7
y		4.0	267.8
b		3.9	257.9

100' S of Quince

w			256.5
bh +6' +4'		10.7	261.6
		6.0	265.8
		5.0	266.8
y		4.0	267.8
b		3.9	267.9

125' S of Quince

w			247.3
bh		20.2	251.6
y		13.0	258.8
b		4.0	267.8

271.80

	150	S of	Quince	
w				238.4
bh			24.6	247.2
y			15.2	256.6
b			7.7	264.1
	175	S of	Quince	
w				236.2
bh			26.4	245.4
y			16.0	255.8
b			8.7	263.1
	200	S of	Quince	
w				234.2
bh			27.8	244.0
y			18.0	253.8
b			8.7	263.1
	225	S of	Quince	
w				236.3
bh			25.3	246.5
y			16.3	255.5
b			8.1	263.7
	250	S of	Quince	
w				246.6
bh			22.1	249.7
y			15.3	256.5
b			7.4	263.4

4.24 271.66 267.42

	275	S of	Quince	
w				258.6 266.4
bh			5.1	266.5
y			4.9	266.7
b			4.8	266.8
	300	S of	Quince	
w				266.5
bh			5.0	266.6
y			4.8	266.8
b			4.9	266.7

(W Line Property Elevations taken from B 475 P 1)

11 / 14 / 11 / Clough Dunn Fitz

Elevation for Slopes on 4th St 80

Palm to Red Wood

	1,29	271,67		270,38	NE 4th Rm
TP	1,67	260,36	12,98	258,69	Rock Ave 40
TP	0,11	247,70	12,77	247,59	
	Slope Line 40'		W of	W Line of 4th	
N S Red wood			4,4	243.7	
N Ch Red wood			1,8	245.9	
N 1/4 "			2,6	245.1	
Cent "			5,6	242.1	
S 1/4 "			5,6	242.1	
S Ch "			6,3	241.4	
S Sx "			8,2	239.5	
25' S of Red wood			8,8	238.9	✓
50' " "			8,1	239.6	✓
75' " "			5,7	242.5	✓
100' " "			6,9	240.8	✓
115' S "			6,8	240.9	
125' S "			10,3	237.4	✓
TP	5,95	291.45	12,2	235,50	
150' S "			15,0	226.4	✓
175' S "			11,8	229.6	✓
200' S "			15,0	226.4	✓
210' "			17.8	223.6	✓
225' "			7,6	233.8	✓
240' " "			2,0	239.4	✓
250'			1,0	240.4	✓
275' " "			3,4	238.0	✓
300' S = N S Quinn			11,4	230.0	
TP	1,47	230,07	12,85	228,60	

		230.07		
N bb of Quiver			5,7	224.4
N 1/4 of "			9,8	220.3
Center "			12,7	219.4
S 1/4 of "			13,4	216.7
S bb "			8,6	221.5
S d of Quiver			4,8	225.3
15' S of "			0,4	229.7
25' S " "			0,2	229.9
50' S "			0,7	229.4
75' S "			1,8	228.3
100' " "			+1.0	231.1
125' "			2,7	227.4
TP	4,13	221.40	12.80	217.27
150' " "			2,0	219.4
175' " "			9,4	212.0
200' " "			9,4	212.0
2,25			2,3	219.1
TP	11,40	232.60	0,20	221,20
	12,55	245.05	0,10	232.50
250' " "			9,0	
264 = N S of House			+.8	245.8

11/14/11 / Clough Denver Lilly

Elevations for Slope on 4th st (80)
Palm to Red wood

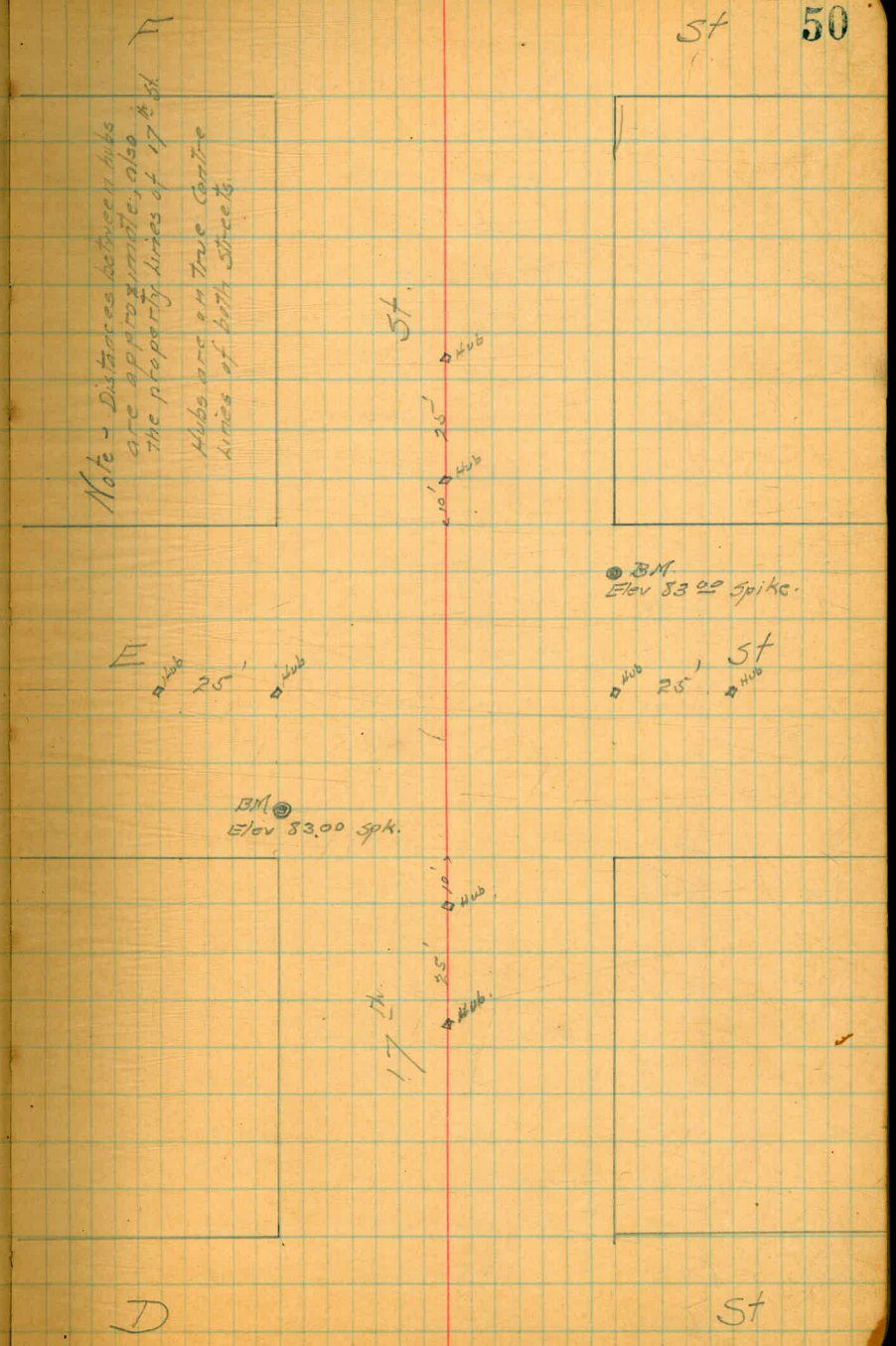
	00	235.50		235.50 TP
TP	0,61	223.31	12,80	222.70
TP	6,50	217.69	12,14	211.17
	Slope Line 100' W of W L of 4th			
S L Redwood	(Bottom Canyon)		5,7	212.0
25' S of "	"	"	7,7	210.0
50' S " "	"	"	10,7	207.0
	105' W of W L			
75' S " "	Bottom		12,0	205.7
	100' W of W L			
100' S "	Bottom		12,0	205.7
125' " "	"		13,0	204.7
TP	1,25	211.43	7,51	210.18
	112' W of W Line			
150' "	Bottom		7,6	203.8
175' "	Bottom		8,8	202.6
200'	"		10,6	200.8
	124' W of W L			
225' "	Bottom		12,8	198.6
	133' W of W L			
250' S "	Bottom		15,6	195.8
	130' W of W Line			
275' S of "	Bottom		17,8	193.6
TP	2,62	201,17	12,88	198.55
	124' W of W L			
300' S = N L Quinn			9,2	1911.0
	124' W of W L			
N bl			9,6	191.6

		201.17		
	124'	W of	W L	
N ½ of Culvert Bottom			10,0	191.2
	124'	W of	W L	
Center			10,7	190.8
	120'	W of	W L	
S ½ of Culvert			10,7	190.4
	124'	W of	W L	
S bb of L			12,7	188.4
	126'	W of	W L	
S Line of Culvert			13,0	188.2
	120'	W of	W Line	
25' S of L	on Slope		9,7	191.5
50' S " "	Bottom		13,8	187.4
53' " "	Bottom		13,8	187.4
75' S "	on Slope		6,0	195.2
100' " "	"		6,0	195.2
125' " "	"		7,7	193.5
150' " "			9,3	191.9
167' " "			15,3	185.9
175' " "			10,9	190.3
200' " "			4,6	196.6
TP	1230	211.97	15,0	196,97
225' " "			8,8	203.2
250' " "			1,8	209.2
264' S "	= N L of House		0,0	212.0

11/20/11 Hatch Moore Hall

Centres of streets and benches for construction of Bridge in 17th across E.

BM SW 18th E	3.402	88.30	84.898
Elevation of Both benches		5.30	83.00



11/20/21 Hatch Moore Hall

X Sec Grape St. from California to Atlantic

BM	1.15	45.17		44019	SW India
	014	32.94	12.37	32.80	
	1.92	22.21	12.65	20.29	
		Eh. Calif.			
N			2.2	20.0	
cb			3.0	19.2	
1/4			4.0	18.2	
c			3.2	19.0	
1/4			2.6	19.6	
cb			2.5	19.7	
S			1.6	20.6	
		8' W			
S			0.7	21.5	
cb			2.3	19.9	
1/4			2.1	20.1	
c			2.8	19.4	
1/4			2.6	19.6	
cb			3.1	19.1	
N			3.1	19.1	
		20' W			
N			3.5	18.7	
S			3.3	18.9	
		40' W			
S			3.6	18.6	
N			4.0	18.2	

	12.21		
Grape	50' W		
N	Top of Bail Main Line	3.24	19.0
S	" " " "	3.14	19.1
	60' W		
N		4.7	17.5
cb		5.0	17.2
1/4		4.7	17.5
c		4.7	17.5
1/4		4.6	17.6
cb		4.4	17.8
S		4.2	18.0
	W 1/4		
S		3.0	19.2
cb		4.5	17.7
1/4		5.2	17.0
c		5.7	16.5
1/4		6.4	15.8
cb		6.7	15.5
N		6.5	15.7
	45'		
N		9.3	12.9
cb		9.7	12.5
1/4		7.0	15.2
c		5.6	16.6
1/4		4.3	17.9
cb		3.5	18.7
S		2.3	19.9

2221

W Cb.

S	1.3	20.9
Cb	1.7	20.5
1/4	2.6	20.2
C	5.1	17.1
1/4	7.5	14.7
Cb	9.3	12.9
N	9.7	12.5

W h.

N	10.4	11.8
Cb	8.8	13.4
1/4	6.8	15.4
C	4.4	17.8
1/4	2.4	19.8
Cb	2.7	19.5
S	2.5	19.7

25' W

S	3.9	18.3
Cb	4.3	17.9
1/4	4.6	17.6
C	5.1	17.1
1/4	6.0	16.2
Cb	7.7	14.5
N	9.7	12.5

2221

40 W

N	9.6	~~12.6~~ 12.6
Cb	7.2	15.0
1/4	5.8	16.4
C	5.7	16.5
1/4	5.2	17.0
Cb	4.8	17.4
S	4.8	17.4

45 W

S	10.7	11.5
Cb	11.0	11.2
1/4	10.4	11.8
C	10.3	11.9
1/4	11.8	10.4
Cb	11.7	10.5
N	11.9	10.3

50' W

N	12.6	9.6
Cb	12.5	9.7
1/4	12.2	10.0
C	12.0	10.2
1/4	11.8	10.4
Cb	12.0	10.2
S	12.0	10.2

2221

60' W

S			12.3	9.9
cb			12.0	10.2
1/a			12.0	10.2
c			12.1	10.1
1/a			12.2	10.0
cb			12.5	9.7
N			12.4	9.8

65' W

N			9.1	13.1
cb			8.3	13.9
1/4			8.1	14.1
c			7.7	14.5
1/4			8.0	14.2
cb			8.0	14.2
S			8.1	14.1

75' W

S			7.8	14.4
cb			8.0	14.2
1/a			7.9	14.3
c			8.2	14.0
1/a			8.4	13.8
cb			9.0	13.2
N			9.3	12.9
TP	277	15.02	996	1225

15.02

100' W

N		3.8	11.2
cb		3.7	11.3
1/a		2.9	12.1
c		2.7	12.3
1/a		2.6	12.4
cb		2.5	12.5
S		2.5	12.5

125' W

S		4.5	10.5
cb		4.7	10.3
1/a		4.2	10.8
c		4.0	11.0
1/a		4.7	10.3
cb		5.1	9.9
N		5.4	9.6

150' W

N		6.6	8.4
cb		6.5	8.5
1/a		6.4	8.6
c		6.1	9.9
1/a		5.9	9.1
cb		6.2	8.8
S		6.0	9.0

	150 2		
	175 W		
s		8.2	6.8
d		8.3	6.7
1/a		8.5	6.5
c		8.2	6.8
1/a		8.2	6.8
d		7.9	7.1
r		8.1	6.9
	195 W.		
r		10.0	5.0
d		9.6	5.4
1/a		9.4	5.6
c		9.3	5.7
1/a		9.4	5.6
d		10.0	5.0
c		9.5	5.5
	200 W = Eb Atlantic		
s		10.3	4.7
d		10.1	4.9
1/a		10.1	4.9
c		9.9	5.1
1/a		10.0	5.0
d		10.7	4.3
r		12.6	2.4

3/8/12 Hatch Mary Hall X Sec. Myrtle St from Park Blvd to Indiana

	3.43	305.98		
BM SE Cypress - Park Blvd. RR Spk				302.548
	6.51	305.74	6.75	299.23
		Ft. Park Blvd		
N			7.3	298.4
			7.6	298.1
			7.8	297.9
			7.7	298.0
			7.9	297.6
			8.1	297.6
S			8.0	297.7
	25' E			
S			7.6	298.1
			7.6	298.1
			7.6	298.1
			7.5	298.2
			7.1	298.6
			6.9	298.6
N			6.9	298.8
	50' E			
N			6.3	299.4
			6.3	299.4
			6.3	299.4
			6.4	299.3
			6.7	299.0
			6.9	298.6
S			6.8	298.9

	305.74		
	75' E		
S		6.4	299.3
		6.2	299.5
		6.2	299.5
		6.2	299.5
		6.0	299.7
		5.7	300.0
N		5.7	300.0
	100' E		
N		5.3	300.4
		5.5	300.2
		5.7	300.0
		5.4	300.3
		5.5	300.2
		5.8	299.9
S		5.9	299.8
	125' E		
S		5.0	300.7
		4.3	301.4
		3.9	301.6
		4.2	301.5
		4.4	~~301.3~~
		4.2	301.5
N		4.2	301.5
	150' E		
N		3.4	302.3
		3.4	302.3
		3.3	302.4

	305.74			
		3.3	302.4	
		3.8	301.9	
		3.6	302.1	
S		3.4	302.3	
	175 E			
S		3.1	302.6	
		3.0	302.7	
		2.5	303.2	
		2.3	302.4	
		2.3	303.4	
		2.3	303.4	
N		2.7	302.0	
	200 E			
N		2.6	303.1	
		2.4	303.3	
		2.4	303.3	
		2.4	303.3	
		2.5	303.2	
		2.4	303.3	
S		2.4	303.3	
	225 E			
S		2.1	303.6	
		2.4	303.6	
		2.3	303.4	
		2.4	303.2	
		2.6	303.1	
		2.5	303.2	

	305.74			
N		2.7		303.0
	250 E			
N		2.8		302.9
		2.9		302.6
		2.5		303.2
		2.6		303.1
		2.5		303.2
		2.4		303.3
S		2.6		303.1
	275 E			
S		3.3		302.4
A		3.3		302.4
Ro		3.3		302.4
TP	290	306.42	3.22	302.52
C		4.1		302.3
K		4.0		302.4
S		4.5		301.9
N		4.5		301.9
	300 E = WL Indiana			
N		5.6		300.8
		5.5		300.9
		5.2		301.2
C		5.2		301.2
		5.5		300.9
		5.6		300.8
S		5.6		300.8

3/11 Hatch
11/12 Moore
Hall

Xsections of Granada from
N.L. Grape to S.L. Ivy.
60 Street - 10' walks.

BM Grape and 30th	0.51	277.12		276.61
	0.41	265.48	12.05	265.07
	0.81	253.43	12.86	252.62
	0.78	241.28	12.93	240.50
BM 13' Mon. Grape - Granada	5.82	237.55	9.55	231.73
		N.L. Grape.		
E			0.8	236.8
cb.			1.5	236.1
1/4			2.3	235.3
c			2.9	234.7
1/4			3.1	234.5
cb			3.5	234.1
W			4.0	233.6
		25' N.		
W			7.9	229.7
cb			7.6	230.0
1/4			7.1	230.5
c			6.9	230.7
1/4			6.7	230.9
cb			5.9	231.7
E			4.6	233.0
		40' N.		
10 E			3.9	233.7
E			8.1	229.5
cb			8.0	229.6
1/4			8.6	229.0
c			9.0	228.6

	237.55		
1/4		10.6	227.0
cb		11.0	226.6
W		11.3	226.3
15 W		11.7	225.9
	50 N		
15 W		13.6	224.0
W		13.0	224.6
cb		12.6	225.0
1/4		12.3	225.3
c		11.7	225.9
1/4		10.9	226.7
cb		8.6	229.0
E		4.7	232.9
10 E		2.4	235.2
	60 N		
10 E		1.9	235.7
E		3.9	233.7
cb		6.5	231.1
1/4		7.8	229.8
c		9.5	228.1
1/4		11.5	226.1
cb		13.4	224.2
W		14.6	223.0
15 W		14.8	222.8
	75' N		
15 W		14.8	222.8
W		12.6	225.0

RETURN TO CITY ENGINEER'S OFFICE
CITY HALL, SAN DIEGO, CAL.

		237.55		
cb			11.3	226.3
1/4			9.5	228.1
c			7.5	230.1
1/4			6.6	231.0
cb			4.7	232.9
E			2.5	235.1
		100' N		
E			0.1	237.5
cb			1.7	235.9
1/4			3.5	234.1
c			4.5	233.1
1/4			5.6	232.0
cb			7.0	230.6
W			8.6	229.0
15' W			11.1	226.5
		125' N		
15 W			8.7	228.9
W			5.7	231.9
cb			4.1	233.5
1/4			2.8	234.6
c			1.7	235.9
1/4			0.5	237.1
TP	7.13	244.16	6.52	237.03
cb			6.2	238.0
E			5.1	239.1

		244.16		
		150' N		
E			3.2	241.0
cb			4.6	239.6
1/4			5.9	238.3
c			7.3	236.9
1/4			8.5	235.7
cb			9.5	234.7
W			10.9	233.3
15' W			13.3	230.9
		175' N		
15' W			11.6	232.6
W			9.3	234.9
cb			8.0	236.2
1/4			7.5	236.7
c			6.2	238.0
1/4			4.5	239.7
cb			3.0	241.2
E			1.7	242.5
		200' N		
E			0.5	243.7
cb			1.9	242.3
1/4			3.6	240.6
c			4.9	239.3
1/4			6.4	237.8
cb			7.9	236.3
W			8.6	235.6
10 W			10.1	234.1

		244.16		
		225' N		
10' W			9,4	234.8
W			8,0	236.2
cb			7.0	237.2
1/a			5,1	239.1
c			3,8	240.4
1/a			2,4	241.8
cb			1.1	243.1
E			+0.2	244,4
T.P.	4.87	248.69	0.34	243.82
		250' N		
E			3,3	245.4
cb			4.9	243.8
1/a			6.2	242.5
c			7,4	241.3
1/a			9.0	239.7
cb			10,6	238.1
W			11.6	237.1
10' W			12.3	236.4
		275' N		
10' W			11.9	236.8
W			11.2	237.5
cb			10.2	238.5
1/a			8.1	240.6
c			6,8	241.9
1/a			5.1	243.6
cb			3,8	244.9

248.69		
E	2.4	246.3
300' N = Sh. Hawthorn St. [80' wide]		
E	1.8	246.9
cb	3.3	245.4
1/a	4,6	244.1
c	6,1	242.6
1/a	7.7	241.0
cb	9,8	238.9
W	10,6	238,1
10' W	11.7	237.0
S cb. Hawthorn St		
10' W	11.5	237.2
W	10.5	238.2
cb	9.1	239.6
1/a	7.5	241.2
c	6.0	242.7
1/a	4,5	244.2
cb	2.9	245.7
E	1.7	247.0
S 1/a		
E	1.7	247.0
cb	3.1	245.6
1/a	4.9	243.8
c	6.6	242.1
1/a	7.9	240.8
cb	9.4	239.3
W	10,8	237.9

		248.69				
10' W			11.7	237.0		
		Cr. Hawthorn.				
10 W			12.4	236.3		
W			11.2	237.5		
cb			10.0	238.7		
1/4			8.3	240.4		
c			6.6	242.1		
1/4			5.3	243.4		
cb			3.5	245.2		
E			1.9	246.8		
		N 1/4				
E			2.4	246.3		
cb.			4.1	244.6		
1/4			5.8	242.9		
c			7.5	241.2		
1/4			9.5	239.2		
cb			10.9	237.8		
W			12.2	236.5		
10' W			13.3	235.4		
		N cb.				
10 W			14.7	234.0		
W			13.1	235.6		
cb			11.9	236.8		
1/4			10.2	238.5		
c			8.3	240.4		
1/4			6.2	242.5		
cb			4.7	244.0		

		248.69				
E			3.1	245.6		
		N. Hawthorn				
E			4.2	244.5		
cb			6.3	242.4		
1/4			7.9	240.8		
c			9.8	238.9		
1/4			11.8	236.9		
cb			14.0	234.7		
T.P.	4.64	242.43	10.90		237.79	
W			8.7	233.7		
10 W			10.3	232.1		
		25' N.				
25 W			16.2	226.2		
W			12.1	230.3		
cb			10.6	231.8		
1/4			8.5	233.9		
c			6.4	236.0		
1/4			4.4	238.0		
cb			2.6	239.8		
E			0.5	241.9		
		50' N				
E			4.2	238.2		
cb			5.6	236.8		
1/4			7.6	234.8		
c.			10.1	232.3		
1/4			12.3	230.1		
T.P.	2.83	233.77	11.49		230.94	

		233.77			
cb			5.4	228.4	
W			6.9	226.9	
25' W			10.3	223.5	
		75' N			
W			12.0	221.8	
cb			10.2	223.6	
1/4			8.0	225.8	
C			5.8	228.0	
1/4			3.8	230.0	
cb			1.6	232.2	
E			0.0	233.8	
		100' N			
15' E			6.0	227.8	
E			10.5	223.3	
cb			12.6	221.2	
T.P.	140	222.57	12.60	221.17	
1/4			2.8	219.8	
C			4.3	218.3	
1/4			6.3	216.3	
cb			8.7	213.9	
W			10.7	211.9	
25 W on Sec 75			7.8	214.8	
		115' N			
30' E?			8.1	222.5	
E			5.8	216.8	
cb			8.7	213.9	
1/4			10.1	212.5	

		222.57			
C			11.7	210.9	
		125' N			
30 E?			3.5	220.1	
E			10.2	212.4	
T.P.	001	214.42	8.16		214.41
		115' N			
1/4			5.6	208.8	
cb			8.5	205.9	
W			10.5	203.9	
30 W			12.8	201.6	
30 W on Sec 100			10.5	203.9	
		125' N			
30 W			6.9	207.5	
W			7.1	207.3	
cb			6.5	207.9	
1/4			6.6	207.8	
C			6.5	207.9	
1/4			5.6	208.8	
cb			5.7	208.7	
T.P.	875	223.16	001		214.41
		135' N			
30' E			5.9	217.3	
E			13.2	210.0	
cb			11.2	212.0	
1/4			10.3	212.9	
C			9.8	213.4	
1/4			10.8	212.4	

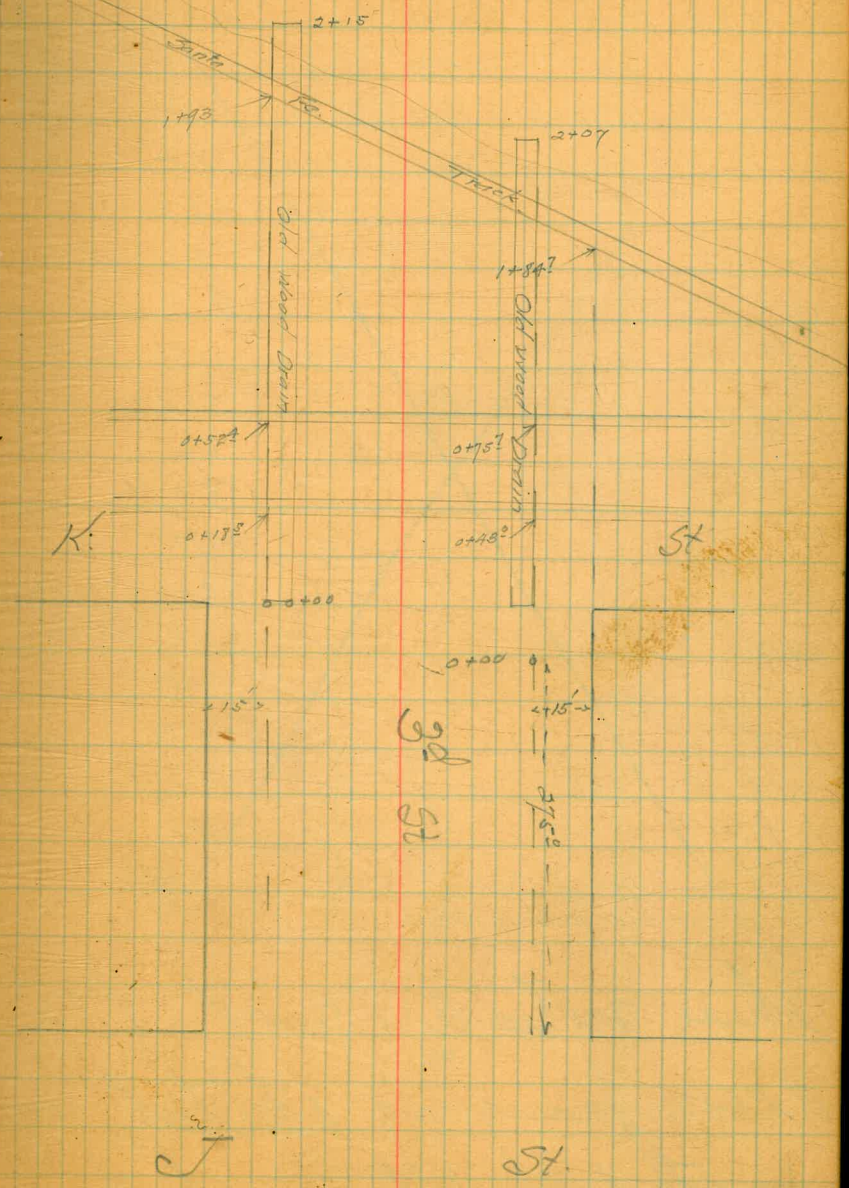
		223.16		
cb			10.5	212.7
W			10.3	212.9
30' W			9.5	213.7
		150' N		
30' W			4.1	219.1
W			3.8	219.4
cb			3.0	220.2
1/4			1.5	221.7
c			0.9	222.3
1/4			0.8	222.4
cb			2.5	220.7
E			3.2	220.0
25' E			8.7	214.5
35' E			9.4	213.8
		160' N		
TP	1224	233.90	1.50	221.66
25' E			9.5	224.4
E			6.0	227.9
cb			6.6	227.3
1/4			7.4	226.5
c			7.9	226.0
1/4			8.9	225.0
cb			10.0	223.9
W			10.9	223.0
15' W			10.9	223.0
TP	1251	244.19	2.22	231.68

	244.19		
	175' N		
15' W		19.3	224.9
W		19.5	224.7
cb		18.8	225.4
1/4		17.4	226.8
c		16.4	227.8
1/4		16.0	228.2
cb		14.4	229.8
E		13.7	230.5
15' E		12.5	231.7
	300' N		
10' E		7.2	237.0
E		9.5	234.7
cb		10.8	233.4
1/4		11.7	232.5
c		12.5	231.7
1/4		13.5	230.7
cb		14.2	230.0
W		15.0	229.2
10' W		15.5	228.7
	325' N		
W		12.2	232.0
cb		11.6	232.6
1/4		10.7	233.5
c		9.9	234.3
1/4		8.7	235.5
cb		7.7	236.5

		244.19		
E			6,5	237.7
		250' N		
E			4.2	240.0
cb			6.1	238.1
1/4			7,8	236.4
c			8,9	235.3
1/4			9,9	234.3
cb			10,8	233.4
W			12,0	232.2
		275' N		
W			12.3	231.9
cb			11,3	232.9
1/4			10.2	234.0
c			8.9	235.3
1/4			7.6	236.6
T.P.	725	244.91	6.53	237.66
cb			6.5	238.4
E			4.8	240.1
		300' N = St. Ivy		
E			5,5	239.4
cb			7.2	237.7
1/4			9,0	235.9
c			10.9	234.0
1/4			12.4	232.5
cb			13.8	231.1
W			15.2	229.7

10/8/12 Hatch Profile of Gutter Lines on Moore both sides of 3rd St from K St Hall to the bay.

BM 3rd J	4.38	5.86		B.M. 1.482 SW Cor.
	E		W	
0+00	5.3	0.6	6.3	-0.4
0+18.5	NR 5.50	0.36		
0+25			5.7	0.2
0+43			NR 5.83	
0+50	5.1	0.8		
TP	2.59	3.01	5.44	0.42
0+52.4	NR 2.43	0.58		
0+75.7			NR 2.55	
TP	4.55	5.19	2.37	0.64
0+75	5.2	0.0		
1+00	4.9	0.3	4.7	0.5
+25	5.0	0.2	4.9	0.3
+50	5.0	0.2	5.2	0.0
+75	4.9	0.3	4.3	0.9
+84.7			NR 3.60	1.59
+95			4.30	0.89
2+00			5.9	-0.7
+07			9.7	-4.5
" Bottom of old drain			7.9	-2.7
1+93			NR 3.65	+1.54
2+00			4.2	+1.0
+5			5.3	-0.1
2+15			9.9	-4.7
" Bottom of old Drain			9.1	-3.9



10/8/12 Hatch Profile for pipe to connect, on moor straight line, the Culverts under Hall Columbia at Laurel and India at Kalmia

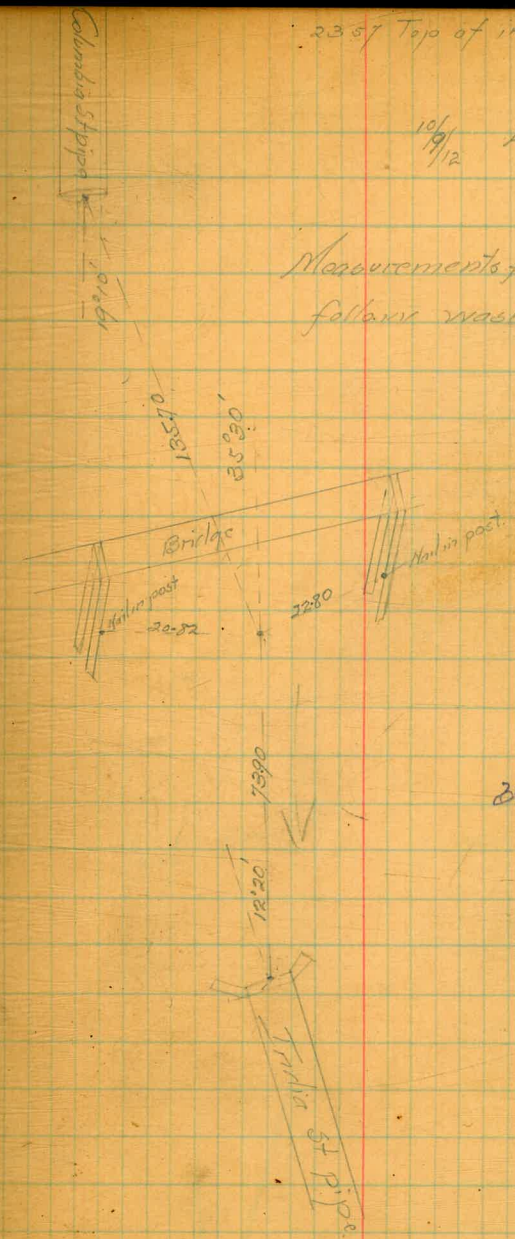
BMNE India Laurel	1.38	57.71		56.326
	0.90	45.69	12.92	44.79
	1.70	34.52	12.87	32.82
East end of Pipe at India in side of Bottom			14.93	19.59
10			13.3	21.2
20			11.2	23.3
37			7.7	31.8
T.P.	6.08	38.90	1.70	32.82
60			1.5	37.4
75			3.3	36.6
95			5.0	33.9
100			7.9	31.0
130			9.9	29.0
142			5.0	33.9
168			4.6	34.3
175			6.5	32.4
T.P.	1.36	31.74	8.52	30.38
178			8.6	23.1
200.5 West end of Pipe at Columbia inside of Bottom			8.65	23.09

These notes are not for accompanying sketch, but for st. line between pipes.

2357 Top of inlet

10/9/12 Hatch Hall

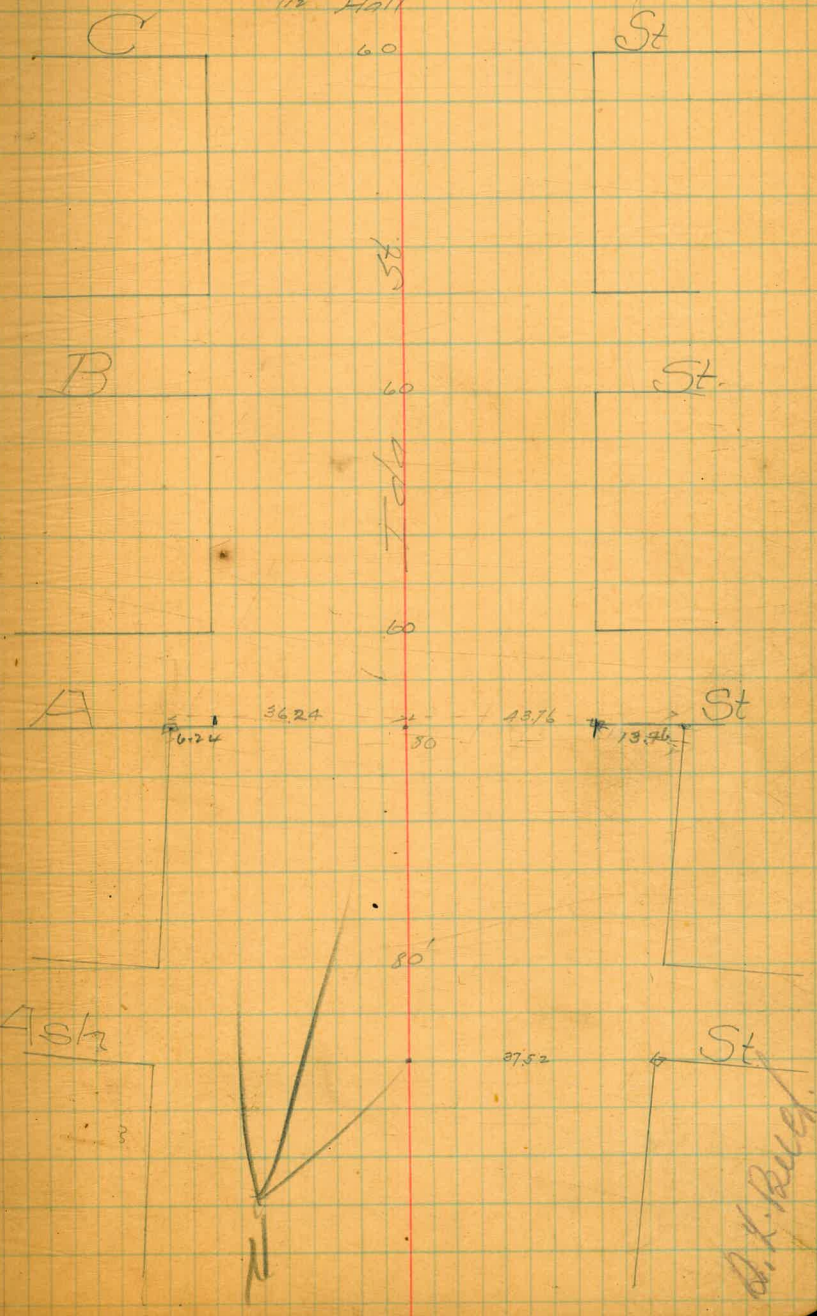
Measurements for pipe line to follow wash.



36" D.S. Pipe

Sketch showing offset at A and Ida

10/8/12 Hatch Moore Hall



D. K. Buel

#350

RETURN TO CITY ENGINEER'S OFFICE
CITY HALL, SAN DIEGO, CAL.

RETURN TO CITY ENGINEER'S OFFICE
CITY HALL, SAN DIEGO, CAL.

Published by H. S. CROCKER COMPANY, Stationers, Drawing Materials, and Mathematical Instruments, San Francisco.

Table showing the difference of latitude and departure in running 80 chains at any course from 1 to 60 minutes.

MINUTES.	LKS.	MINUTES.	LKS.	MINUTES.	LKS.
1	$2\frac{1}{3}$	21	49	41	$95\frac{2}{3}$
2	$4\frac{2}{3}$	22	$51\frac{1}{3}$	42	98
3	7	23	$53\frac{2}{3}$	43	$100\frac{1}{3}$
4	$9\frac{1}{3}$	24	56	44	$102\frac{2}{3}$
5	$11\frac{2}{3}$	25	$58\frac{1}{3}$	45	105
6	14	26	$60\frac{2}{3}$	46	$107\frac{1}{3}$
7	$16\frac{1}{3}$	27	63	47	$109\frac{2}{3}$
8	$18\frac{2}{3}$	28	$65\frac{1}{3}$	48	112
9	21	29	$67\frac{2}{3}$	49	$114\frac{1}{3}$
10	$23\frac{1}{3}$	30	70	50	$116\frac{2}{3}$
11	$25\frac{2}{3}$	31	$72\frac{1}{3}$	51	119
12	28	32	$74\frac{2}{3}$	52	$121\frac{1}{3}$
13	$30\frac{1}{3}$	33	77	53	$123\frac{2}{3}$
14	$32\frac{2}{3}$	34	$79\frac{1}{3}$	54	126
15	35	35	$81\frac{2}{3}$	55	$128\frac{1}{3}$
16	$37\frac{1}{3}$	36	84	56	$130\frac{1}{3}$
17	$39\frac{2}{3}$	37	$86\frac{1}{3}$	57	133
18	42	38	$88\frac{2}{3}$	58	$135\frac{1}{3}$
19	$44\frac{1}{3}$	39	91	59	$137\frac{2}{3}$
20	$46\frac{2}{3}$	40	$93\frac{1}{3}$	60	140

TABLE FOR RUNNING ON SLOPES.

In the following table the first column shows the angle, the second the number of links to be added to a chain on the slopes, to make one chain, horizontal measurement.

ANGLE	COR. IN LINKS	ANGLE	COR. IN LINKS	ANGLE	COR. IN LINKS	ANGLE	COR. IN LINKS
°		°		°		°	
4	0.24	11	1.88	18	5.14	25	10.54
5	0.38	12	2.24	19	5.76	26	11.26
6	0.55	13	2.63	20	6.42	27	12.24
7	0.76	14	3.06	21	7.11	28	13.37
8	0.98	15	3.53	22	7.85	29	14.34
9	1.24	16	4.02	23	8.64	30	15.47
10	1.55	17	4.56	24	9.47	35	22.07